



27 May 1997

6/1 PCB 464C-GSB-4064

Mr. Robert L. Krager Missouri Department of Natural Resources Division of Environmental Quality P.O. Box 176 Jefferson City, Missouri 65102-0176



JUM 02 1997

HAZARDOUS WASTE PROGRAM MISSOURI DEPARTMENT OF NATURAL RESOURCES

Dear Mr. Krager:

Thank you for the opportunity to provide additional information related to your May 13-14, 1997 inspection of the McDonnell Douglas Aerospace - St. Louis (MDA) PCB Management Program. We would like to provide additional information relating to your summary of observations.

Item one of your summary related to an exception report MDA submitted on June 10, 1996, in accordance with 40 CFR 761.215. Although MDA may have initiated transport of the PCB waste more than nine months after the date it was removed from service, MDA had made explicit arrangements with our contractor for expedited processing, to assure proper disposal within the required one year time frame. However, this expedited processing was not accomplished, resulting in the filing of the exception report. MDA has work practices in place to assure timely initiation of transport of PCB waste within nine months of the date such waste is removed from service.

The second item on your summary identified an inaccuracy in the Annual Report Document for 1994. The 1994 Annual Document was amended on May 14, 1997. The number of PCB Transformers in service was changed from six (6) to four (4).

Two transformers, SN 2710-1 and SN 2711-2 will require a scheduled shutdown of electrical service to Building 6. (Item 3 on the Summary of Observations). Necessary clean up and repairs will be completed upon an approval date for this shutdown.

The Wagner transformer, SN 9111235 and the Maloney transformer, SN 2126050 were cleaned on May 20, 1997. (Items 4 and 5 on the Summary of Observations) Necessary unit repairs are being addressed. MDA solicited bids from contractors to repair and retrofill these units at Substation 8. Additional details from the successful contractor have been requested and are needed to establish a specific date for the work to begin.

The Pennsylvania transformer (SN 2889-1) supplies MDA's Industrial Wastewater Treatment Facility (WWTF). A scheduled shutdown of the WWTF and the chemical processing operations is needed to properly clean and repair this transformer. Necessary repairs will be completed upon an approval date for this shutdown.

In response to your question by telephone, Transformer 6147465 was transported for disposal on July 23, 1991. Because MDA was unable to collect a sample from this transformer we chose to manifest this unit as a PCB transformer.

If further information is needed, please advise.

Sincerely,

Gary Buford

Environmental and Hazardous Material Services

Dept. 464C, Bldg. 110, Mailcode S111-1099

(314) 234-8171

40 CFR 761.180 (a) (1)

Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage for Disposal During 01 January 1994 and 31 December 1994.

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(i)	Total weight of	PCBs and PCB Items in Containers		16,080 (Kg.)
	Liq	uids:		0 (Kg.)
	Ca	pacitors:		0 (Kg.)
	PCB Contamina	ated Material:		622 (Kg.)
	Non-Regulated	Ballasts:	44.	15,458 (Kg.)
(ii)	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	of PCB Transformers:		4 (Kg.)
,01	Total weight of	PCBs contained in Transformers:		40,479 (Kg.)
(iii)	Total number o	f PCB Large Capacitors:		0

A printout is attached that contains information on each individual container, transformer and large capacitor.

*THIS DOCUMENT WAS AMENDED ON 05/14/96.

Signature:

PCB INSPECTION REPORT

McDonnell Douglas Aerospace 140 McDonnell Boulevard P.O. Box 516, Mailcode S1111099

St. Louis, MO 63166 Telephone: (314) 234-8171 Date: May 12, 1997

Inspection No.: 051297M001T01

Docket No.: 07-97-T-229

INTRODUCTION

This facility was selected for a "For Cause" inspection. The U.S. Environmental Protection Agency, Region VII (EPA) received a one-year exception report from McDonnell Douglas Aerospace (MOA), indicating they did not dispose of one drum of PCB-contaminated oil (Attachment 1). The EPA Region VII randomly selects several of the one-year exception reports for "For Cause" inspections. The inspection was to determine compliance with PCB regulations Codified at 40 CFR Part 761.

SUMMARY OF OBSERVATIONS

The following possible deviations for PCB regulations were observed during the inspection:

- 1. Failure to dispose of one drum of PCB-contaminated oil (Drum No. 9431) within the required one-year time frame;
- 2. Failure to provide a complete annual document for 1994;
- 3. Failure to provide a complete annual document for 1991;
- 4. Improper disposal due to two untested transformers leaking oil from the lid and/or bushings at Building 6;
- 5. Improper disposal due to the PCB-contaminated Wagner transformer, SN 9U1235, leaking around the bushings and drain valve;
- 6. Improper disposal due to PCB-contaminated Moloney transformer, SN226050, leaking around the lower drain valve and tap changer;
- 7. Improper disposal due to untested Pennsylvania transformer, SN2689-1, leaking around the bushings and fins; and
- 8. Improper disposal due to untested Kuhlman transformer, SN04729, leaking around the oil level gauge and bushings.

No samples were collected. Thirty-six documents were collected and are included in Attachments 7 - 45 of this report. Seventeen photographs were taken and are included in Attachment 46.

HISTORY OF BUSINESS

MDA designs and manufactures civilian and military aircraft, as well as missiles and other aerospace equipment. They occupy over 50 buildings on several hundred acres of property (see map Attachment 7). MDA employs about 25,000 people.

Mr. Harry Stonecipher is the Chief Executive Officer, and his address is McDonnell Douglas Aerospace, P.O. Box 516, Mailcode 1001080, St. Louis, MO 63166.

PERSONS INTERVIEWED AND INDIVIDUAL RESPONSIBILITIES

Mr. David Shanks, Principal Environmental Specialist, was interviewed. Mr. Shanks signed and received copies of the Notice of Inspection and Confidentiality Notice.

Mr. Gary Buford, Environmental Specialist, was also interviewed. Mr. Buford signed and received copies of the Receipt for Samples, Declaration of CBI, and Summary of Observations. He accompanied me during the physical inspection, provided a history of the business, and was present for the closing discussion.

Mr. Bryan Kury, Manager, Environmental & Hazardous Materials Service, was also interviewed. Mr. Kury was present for the closing discussion.

Mr. Joseph Haake, Group Manager, was also interviewed. Mr. Haake was present for the closing discussion.

Mr. Donald Hagar, Electrical Foreman, was also interviewed. Mr. Hagar was present for the physical inspection of Substations 8 and 20.

INSPECTION

On May 12, 1997, at about 1:15 p.m., I, Robert Krager, presented my credentials to Mr. David Shanks, Principal Environmental Specialist. I advised Mr. Shanks that MDA had been selected for a "For Cause" inspection because of a one-year exception report received by EPA. I issued the Notice of Inspection and Confidentiality Notice to Mr. Shanks who signed both. Mr. Shanks said there would be no claim of confidentiality.

Mr. Shanks said Mr. Gary Buford, Environmental Specialist, was responsible for the PCB records, but he was out of the office. I said we could do the physical inspection first. Mr. Buford returned just as we were leaving for the PCB storage area. I presented my credentials to Mr. Buford and explained the reason for the inspection.

Mr. Buford and I proceeded to the PCB storage area. The outside of the PCB storage building was marked M_L (Photo 1). Inside the PCB storage building were 11 drums of light ballasts, one drum of large capacitors, and one drum of oil containing 870 parts per million (ppm) PCBs (Photos 2 and 3). I asked Mr. Buford where the PCB oil came from . He said it was found on the dock of a building in a remote section of the facility. He said there were no PCB transformers or other equipment at the building, where the oil could have come from. Mr. Buford said they believed someone abandoned the drum at their dock. All drums were marked M_L and dated.

Mr. Buford called Mr. Donald Hagar, Electrical Foreman, to let us in the substations. Mr. Hagar said he cold not meet with us until about 9:00 a.m. the next morning. Mr. Buford and I returned to his office to review the records.

Mr. Buford showed me the PCB annual documents for the years 1990 - 1995. The 1990 Annual Document showed no PCB transformers were removed during the year, with 23 PCB transformers in service at the end of the year (Attachment 8).

The 1991 Annual Document showed 17 PCB transformers were shipped for disposal during the year, with 7 PCB transformers in service at the end of the year (Attachment 9). With 23 PCB transformers in service a the beginning of 1991 and the removal of 17 transformers during the year, there should be 6 PCB transformers in service at the end of the year, and not 7. Manifest Nos. 02143, 02160, 02161, 02197, 02206, and 02216 showed 17 PCB transformers were shipped for disposal (Attachment 10-15). All of the PCB transformers were disposed at ENSCO, White Bluff, Tennessee (Attachments 16-21).

Manifest No. 02197 showed four PCB transformers were shipped to ENSCO on July 23, 1991 (Attachment 13). The continuation sheet for Manifest No. 02197 showed transformer SN 6147465 as a PCB transformer. The list of PCB and PCB-contaminated transformers included with the 1991 Annual Document, did not include a transformer with SN 6147465 (Attachment 22). Two transformers known to be PCB-contaminated had serial numbers 6147466 and 6147467 and contained PCBs at concentrations of 129.3 and 92.5 ppm respectively (Attachments 23 and 24). This error was not found until I had returned to my office. I called Mr. Buford and explained the situation to him (Attachment 25). He said transformer SN 6147465 was on their untested transformer list. I asked him to try to find out if the transformer had been sampled. I told him if the PCB concentration was 500 ppm or greater, he would have to amend any annual documents affected by the transformer.

No PCB transformers were shipped for disposal during 1992 (Attachment 26).

The 1993 Annual Document showed two PCB transformers were removed during the year, leaving five PCB transformers in service at the end of the year (Attachment 27). Manifest No. GD75M showed two PCB transformers were shipped to Aptus on February 9, 1993 (Attachment 28). A certificate of destruction for Manifest No. GD75M could not be found.

The 1994 Annual Document showed six PCB transformers were shipped for disposal, leaving one in service at the end of the year (Attachment 29). The list of PCB transformers shipped during the year included two transformers shipped in February 1993. These two transformers should not have been added to the list of PCB transformers removed in 1994.

Manifest No. 02794 showed three PCB transformers were shipped to Aptus on August 19, 1994 (Attachment 30). The continuation sheet showed the serial numbers of the transformers shipped. Two of the transformers, SNs 6147466 and 6147467, were PCB-contaminated according to their analysis reports referenced earlier (Attachments 23 and 24). The CD for Manifest No. 02794 showed the PCB transformer and two PCB-contaminated transformers were disposed as of September 20, 1994 (Attachment 31).

Manifest No. 00963 showed three PCB transformers were shipped to Tipton Environmental Technology (TET) on December 26, 1994 (Attachment 32). The drained transformers were shipped from TET to U.S. Ecology in Beaty, Nevada, on Manifest No. 95006 and disposed as of January 17,

1995 (Attachments 33 and 34). The oil from the PCB transformers was shipped to Rollins Environmental Services, Inc., Deer Park, Texas on Manifest No. 95002 and disposed as of January 10, 1995 (Attachments 35 and 36).

The 1994 Annual Document showed no PCB transformers were removed from service for disposal during the year (Attachment 37). The only PCB containing items removed for disposal were PCB-contaminated transformers and light ballasts.

It was late in the day, so I told Mr. Buford I would return at about 8:00 a.m., the next morning.

On May 13, 1997, at about 8:00 a.m., I returned to MDA to review the remaining records and inspect the substations where PCB or PCB-contaminated transformers were in service.

I asked to review the PCB storage area inspection reports. The PCB storage area was inspected monthly and Attachment 38 is a representative example.

Review of the quarterly inspection reports of the PCB and PCB-contaminated transformers showed that the same transformers were leaking in the same locations on almost every inspection (Attachments 39-41). Review of the inspection reports I collected revealed I failed to get the complete transformer inspection report for the first quarter of 1991. I called Mr.. Buford and asked him to fax me a copy of the PCB-contaminated and potentially PCB-contaminated transformer inspection report for the first quarter of 1991 and a list showing MDA's transformer numbers with the corresponding manufacturer's serial numbers (Attachment 42&43).

The table below depicts transformers inspected in 1991 were still leaking in the same locations in 1993, and in one case in 1997.

DATE INSPECTED	LEAKING TRANSFORMER'S SN	PCB CLASSIFICATION	WHERE LEAKING	WHEN CLEANED
3/18/91	ULP-1	РСВ	Bottom of L.V. connection box & concrete pad.	3/22/91
3/18/91	29314	РСВ	Bottom of tapchanger.	3/22/91
3/19/91	6993933	PCB-CONT.	L.V. cables, connection box, & concrete pad.	3/22/91
3/19/91	2694937	PCB-CONT.	Bottom of fins & concrete pad.	3/22/97

DATE INSPECTED	LEAKING TRANSFORMER'S SN	PCB CLASSIFICATION	WHERE LEAKING	WHEN CLEANED
6/14/93	ULP-1	РСВ	Bottom of L.V. connection box & concrete pad.	6/15/93
6/14/93	29314	PCB	Bottom of tapchanger.	6/15/93
6/14/93	6993933	PCB-CONT.	Bottom of L.V. connection box & concrete pad.	6/15/93
6/14/93	2694937	PCB-CONT.	Bottom of fins & concrete pad.	6/15/93
6/14/93	2094974	PCB-CONT.	Bottom of drain cock & concrete pad.	6/15/93
3/17/97	6993933	PCB-CONT.	L.V. connection box, bottom of drain cock, & concrete pad.	3/19/97

I told Mr.. Buford that leaking PCB and PCB-contaminated transformers were supposed to be repaired and cleaned or replaced, not just cleaned. He said they started inspecting the transformers weekly about two years ago, but only record the inspections quarterly. He said any time a transformer was leaking oil onto the ground they cleaned the transformer and ground.

We proceeded to Building 5 where the only remaining PCB transformer was in service. It was marked M_L and was not leaking (Photo 6).

We proceeded to Building 6 where three untested transformers were located. One transformer was leaking around the lid and another transformer was leaking around the bushings (Photos 7 and 8).

We went to Substation 8 where we met Mr. Don Hagar, Electrical Foreman. All of the untested and PCB-contaminated transformers in the substation were marked with M_L labels smaller than 6" by 6". I told them that only transformers with 500 ppm PCBs or greater were required to have M_L labels.

Pennsylvania transformer, SN 2689-1, was leaking around the bushings, fins, and concrete pad below the fins (Photo 9). Mr. Hagar said the transformer was untested.

Wagner transformer, SN 9U1235, a 3,000-KVA unit with 975 gallons of 7N oil was leaking around the L.V. connection box onto the ground below and around the drain valve (Photos 10-12). There was an absorbent pad below the drain valve. According to the transformer inspection report for the first quarter of 1997, Wagner transformer, SN9U1235 (shown as 008HVT3 on the report) was leaking around the L.V. connection box, the drain valve, and onto the concrete pad below the drain valve (Attachment 41).

Maloney transformer, SN2120050, a 3,000 KVA unit with 760 gallons of M-3 oil, was leaking around the tapchanger and drain valve (Photos 13 and 14). The transformer had a MDA property tag with the number 008HVT4. The first quarter of 1997 transformer inspection report showed the transformer was not leaking at the time of the inspection (Attachment 41).

Kuhlman Electric transformer, SN04729, a 200 KVA unit, was leaking around the oil level gauge and bushings (Photo 15). I told Messrs. Buford and Hagar that any visible oil on the surface of a transformer was considered a leak and was to be cleaned and repaired within 48 hours. I told them they had to initiate the cleaning and repair of the transformers within 48 hours, because I knew they could not schedule the shutdown of the transformers in that time frame. Mr. Hagar said all of the transformers in Substation 8 were scheduled for retrofill in early summer. He said they initially planned to retrofill or replace the transformers a few years ago, but an expansion of the St. Louis Airport put that project on hold. Mr. Hagar said the airport project was still several years away, so they decided they needed to retrofill the transformers. There were 15 oil circuit breakers (OCBs) in the substation and all of them were leaking. Mr. Hagar said the oil was last changed in the OCBs about five years ago.

We proceeded to Substation 20. There were four PCB-contaminated transformers inside the substation. Mr. Hagar said they were retrofilled in January by S.D. Myers and the 90 day resampling was conducted by S.D. Myers on May 12, 1997.

Wagner transformer, SN9V1328, a 5,000 KVA unit with 1075 gallons of 7N oil, had a stain on the concrete pad below the drain valve (Photos 16 and 17). The drain valve did not have any visible oil stains. Mr. Buford said they have cleaned the stain at least quarterly with hexane, but the stain could not be removed. He said they took wipe samples after the stain was cleaned, and, if the analysis was 10mg/100cm² or less, no further cleaning was performed. I suggested they try using kerosene, since it did not evaporate as rapidly as hexane.

We returned to Mr. Buford's office. Mr. Buford was able to find a possible PCB analysis report for the leaking Pennsylvania transformer, SN2689-1. The analysis report was dated June 10, 1983, and had three sample results. Sample No. 1 showed it contained 500ppm PCBs and sample Nos. 2 and 3 were less than 1ppm (Attachment 44). The sample description for Sample No. 1 indicated it was transformer oil from Substation 8. A hand written number above the description of Sample No. 1 was 2689-1. Since there were no other records to show that the analysis report was for transformer, SN2689-1, I suggested they retest the transformer and send me a copy of the analysis report.

An analysis report for transformer, SN4014-1, showed it contained 13ppm PCBs (Attachment 45). The transformer was shown as untested in the transformer list.

CLOSING CONFERENCE

The following people were present for the closing discussion: Mr. Bryan Kury, Manager, Environmental & Hazardous Materials Services; Mr. Joseph Haake, Group manager, and Mr.. Gary Buford, Environmental Specialist. Mr. Buford signed and received copies of the Receipt for

Samples, Declaration of CBI, and Summary of Observations. I went over the possible deviations from PCB regulations observed during the inspection. I told them no additional action was required on the one year exception report. I told them they had to amend the 1994 Annual Document. I also told them they had to initiate the cleaning and repairing of the leaking transformers in Substation 8 and Building 6.

SUBMITTED BY:

Robert L. Krager D Environmental Specialist Enforcement Section

Hazardous Waste Program

May 21, 1997

APPROVED BY:

David J. Giarratano, Chief Special Facilities Unit Enforcement Section

Hazardous Waste Program

RLK:rt

ATTACHMENTS

- 1. One Year Exception Report
- 2. Notice of Inspection
- 3. Receipt for Samples
- 4. Summary of Observations
- 5. Confidentiality Notice
- 6. Declaration of CBI
- 7. Map of Facility
- 8. 1990 Annual Document
- 9. 1991 Annual Document
- 10. Manifest No. 02143
- 11. Manifest No. 02160
- 12. Manifest No. 02161
- 13. Manifest No. 02197
- 14. Manifest No. 02206
- 15. Manifest No. 02216
- 16. CD for Manifest No. 02143
- 17. CD for Manifest No. 02160
- 18. CD for Manifest No. 02161
- CD for Manifest No. 02197
- 20. CD for Manifest No. 02206
- 21. CD for Manifest No. 02216
- 22. List of transformers
- 23. Analysis Report for Transformer SN 6147466

- 24. Analysis Report for Transformer SN 6147467
- 25. TCR dated 5/15/97
- 26. 1992 Annual Document
- 27 1993 Annual Document
- 28. Manifest No. GD75M
- 29. 1994 Annual Document
- 30. Manifest No. 02794
- 31. CD for Manifest No. 02794
- 32. Manifest No. 00963
- 33. Manifest No. 95006
- 34. CD for Manifest No. 95006
- 35. Manifest No. 95002
- 36. CD for Manifest No. 95002
- 37. 1995 Annual Document
- 38. PCB Storage Area Inspection Report dated May 7, 1996
- 39. Quarterly Inspection Report for 1st Quarter 1991
- 40. Quarterly Inspection Report for 2nd Quarter 1993
- 41. Quarterly Inspection Report for 1st Quarter 1997
- 42. TCR dated 5/20/97
- 43. Fax Correlating Transformer Numbers
- 44. Analysis report for Transformer SN 2689-1
- 45. Analysis report for Transformer SN 4014-1
- 46. Photographs
- 47. FTTS

McDonnell Douglas Aerospace

June 10,1996

Regional Administrator, Region VII U.S. Environmental Protection Agency 726 Minnesota Avenue Kansas City, Kansas 66101

RE: ONE-YEAR EXCEPTION REPORT

RECEIVED

JUN 1 3 1996

TOXIC SUBSTANCES PREVENTION & PLANNING BRANCH (TSPP)

Dear Sir:

In reference to 40 CFR 761.215, McDonnell Douglas Aerospace is hereby submitting an exception report concerning the following PCB contaminated waste that was destroyed after one year from the date removed from service for disposal.

Date removed from service for disposal:

3/02/95

Date received at disposal facility:

2/09/96

Date transported to another disposal facility:

N/A

Generator name:

McDonnell Douglas Aerospace

Generator EPA ID. number:

MOD000818963

Transporter 1:

Rollins Chem Pak, Inc.

Transporter 1 EPA ID number:

DED982565947

Transporter 2:

Safeway Chemical Transportation

Transporter 2 EPA ID number:

DER 0000000273

Transporter 3:

Allworth of Tennessee, Inc.

Transporter 3 EPA ID number:

IND981970119

Transporter 4:

Matlack Inc.

Transporter 4 EPA ID number:

DED981110166

Disposer:

Rollins Environmental Services (Tx)

Disposer EPA ID number:

TXDO55141378

Destruction Date:

04/10/96

Reason waste was not disposed of within one year: MDA began using this drum as an accumulation container on 3/02/95 for collection of small quantities of samples and transformer oil. This drum and 4 other drums (October 95 removed from service dates) were removed from the MDA facility on 1/30/96. Prior to the transportation of these drums, Rollins Environmental Services indicated this drum would be destroyed within the required period of time. MDA's first knowledge of the missed destruction date was the receipt of the destruction certificates. MDA received the destruction certificates May 15, 1996 and a copy of the exception report May 28, 1996.

Please contact Gary Buford at (314) 234-8171 if you have any questions or if you need additional information.

Sincerely,

RECEIVE

had with 4-29-96 (at-lant

JUN 20 1996

HAZARBOUS WASTE PROGRAM MISSOURI DEPARTMENT OF NATURAL RESOURCES

Robert H. Kaatman, Manager

Environmental and Hazardous Material Services

Dept. 464C, Bldg. 110, Mailcode 1111099

(314) 232-3319

P.O. Box 516, Saint Louis, MO 63166-0516 (314) 232-0232 TELEX 44-857

Al Hach ment

2-22-96

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Ш	go If i	vernment regulations, including applicable state regulations. am a large quantity generator, I certify that I have a program in place to	n reduce the volume and t	axicity of w	aste de	nerated to the decr	ee I hav	ve determined to be
Ш	ec ec	onomically practicable and that I have selected the practicable method o	of treatment, storage, or di	sposal curre	entiv av	ailable to me which	minimiz	zes the present and
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01/30/96

MANIFEST NUMBER: 00704605 PCB SHIPMENT MANIFEST CONTIUATION SHEET MCDONNELL DOUGLAS AEROSPACE P.O. BOX 516, ST. LOUIS, MISSOURI 63166

Genera		Date Removed	Storage Date	Weight (KG)
9431	Oil Contaminated with PCB	03/02/95	03/02/95	. 220
9532	Oil Contaminated with PCB	10/18/95	10/20/95	170
9533	Oil Contaminated with PCB	10/18/95	10/20/95	132
9534	Oil Contaminated with PCB	10/18/95	10/20/95	198
9535	Oil Contaminated with PCB	10/18/95	10/20/95	198
	700 E		TOTAL (KG)	918

AHIPST

ROLLINS ENVIRONMENTAL SERVICES (TX) INC CERTIFICATE OF DISPOSA

MCDONNELL DOUGLAS CORPORATION MAILCODE 1111099
LINDBERGH & MCDONNEL

PTR1722C

5/10/96

HAZELWOOD MO 63042

Attn: GARY BUFORD

Inventory	Customer's Unique	CONTAINER Type Contents	Prod SHP Disposal
Cntrl Nbr	Serial Number		Code TO Mthd Date
600409790	9535	55SD565 LIQUID	565 I 05/09/96
	Contents Only	55SD	565 I 03/31/96
600409791	9532	55SD565 LIQUID	565 I 05/09/96
	Contents Only	55SD	565 I 03/31/96
600409792	9533	55SD565 LIQUID	565 I 05/09/96
	Contents Only	55SD	565 I 03/31/96
600409793	9534	55SD565 LIQUID	565 I 05/09/96
	Contents Only	55SD	565 I 03/31/96
600409794	9431 Contents Only Total Containers:	55SD565 LIQUID 55SD 5	565 I 04/09/96 565 I 04/10/96

ROLLINS ENVIRONMENTAL SERVICES (TX) INC

CERTIFICATE OF DISPOSAL

RUN TIME : 2:01 PM PAGE:

This completes the Certificates of Destruction per Manifest Number TX00704605.

Disposal Methods : 'I' - Waste that was incinerated. 'L' - Waste that was landfilled. Disposal Facility: ROLLINS ENVIRONMENTAL SERVICES (TX) INC PO BOX 609 DEER PARK TX 77536 EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

Authorized Agent

ROLLINS ENVIRONMENTAL SERVICES (TX) INC

AHIPF 6

SEPA

Washington, D.C. 20460 Toxic Substances Control Act NOTICE OF INSPECTION

Form Approved OMB No. 2070-0007 Approval Expires 10-31-92

07-97-T-229

Inspection File

The public reporting burden for this collection of information is estimated to average 5 minutes per response. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information to the Chief, information Policy Branch (PM-223), US Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, marked ATTENTION: Desk Officer for FPA.

lr	nformation and Regulatory Af	fairs, Office of Manager	nent and Budget, Wasi	shington, DC 20503, marked ATTENTION: Desk Officer for EPA.	
	1. Investigation Identific		2. Time	3. Firm Name	\dashv
Date	Inspector No.	Daily Seq. No.	1110		
4. Inspector Ad	7 M001T	6	11.10 pm	5. Firm Address	
	2/HWP			Lindbergh & Mc Bonnell Blud. Hazelwood, MO 63042	
P.O. Bo					
Jeffe	roon City	MD 651			
		RE	EASON FOR INS	SPECTION	
1	Under the authority of Sec	tion 11 of the Toxic S	Substances Control	Act:	
1	establishment, facility, or processed or stored, or h facilities) and any convey with their distribution in	other premises in weld before or after the vance being used to commerce (includin applicable to the ch	thich chemical subset of distribution in contraining transport chemical grecords, files, pa	photographs, statements, and other inspection activities) are stances or mixtures or articles containing same are manufactured ommerce (including records, files, papers, processes, controls, and substances, mixtures, or articles containing same in connection apers, processes, controls, and facilities) bearing on whether the mixtures, or articles within or associated with such premises or	, d n
	In addition, this inspection	n extends to (Check	appropriate blocks	s):	
	A. Financia	l data		D. Personnel data	
	B. Sales da	ita		E. Research data	
	C. Pricing	data			!
	The nature and extent of i	nspection of such de	ata specified in A thr	rough E above is as follows:	
			0-4181-41		
l certify knowing Inspector Signs	giy raise or misleading ste	e made on this form tement may be puni	Certificat and all attachments shable by fine or im	ts thereto are true, accurate, and complete. I acknowledge that an aprisonment or both under applicable law.	У
Rohu	Kl. Krann.			Recipient-Signature	
Name Robe	rt h. Kras	er		Name	
Title		Date Sig	gned	Tide Date Signed	
上へり、 EPA 7740-3 Re	70ec	05	12147	Tringipal En. Spee. 05/12/97	

Attach mut 2

SEPA

nited States Environmental Protection Ag Washington, D.C. 20460 Toxic Substances Control Act

RECEIPT FOR SAMPLES AND DOCUMENTS

			_ 3**	
	1. Investigation Identification		2. Firm Name	
Date /	Inspector No.	Daily Seq. No.		
3. Inspector Address	MOOIT	01	4. Firm Address	
MDNR/HU	UP		Lindbergh & McDonnell	BIUD
P.O. Box1	76		Hazelwood, Mo 63042	
Jefforso	n City Mo	65102	The between the body	
The document administration	s and samples of chemic and enforcement of the l	al substances and/or mixtu oxic Substances Control A	ures described below were collected in connection Act.	n with the
A.I.	Receip		or sample(s) described is hereby acknowledged:	
No.			escription	
		Hnnal Report	1 Summaries	
_	Manifest No.	00963		
	(D) for Man; f			
1	Manifest No.	95006 260		
	Manifort No.	95002061		
	CO For Manife Manife of No.			
	194 : ()	02794		
	Manifort No.	6075M		
	Manifost No.	02143 0 < 0		
Ki	Manifest No.	c2160 d CD		
	Manifost No.	0316120		
	Ma Sest No. 6	634 LD181		*
	Manifort No. C			
	Manifort No. C	42K 31 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		
	PEB storageo	rea inspection +	-port 5/7/96	
	1st Quarter 1	991 transformer	- insp. report	
		993 Transformer		
	1st Quarter 1	997 transforms	ring, report	
	Photosocal		•	
	Anolydis lesult	lated 6/10/92	5,N3 6147466 & 6147467	
Optional:	Much sis results	For Transformers	5N3 6147466 + 6147467	
-	plit samples: Requested		Not Requested	
Inspector Signature			Dagin A Disease	
Reful	Viera		Recipient Signature	
Name	1		Name	
Title	· Kragor	Dote Signed	Gary Buford	
EN. Spe	c. ()	Date Signed 0 5 1 / 3 / 9 7	Ens- Special ist	Date Signed
EPA 7740-1 Rev (8-91)			1210- 100 val 15	05/13/97

Attachment 3

ENVIRONMENTAL PROTECTION AGEN TSCA INSPECTION

SUMMARY OF OE	
Name and Address of Inspector(s)	07-97-7-229
!	Name and Address of Facility
101000	Mc Donnell Douglas
Robert L. Krages	
Environmental Protection Agency	Kindbergho McDonnell Blud.
Toxics and Pesticides Branch	Hazelwood, MO 63042
726 Minnesota Avenue	Chief Executive Officer of Firm
Kansas City, Kansas 66101	A A A A A A A A A A
	Harry Stanerie alar
Name of Individual to Whom Notice Given	Title Stoneciepter
Title Buford	660
Title / Date	Address
	1 p.o. Bex 516
	P 1827 312
Env. Spe. 05/13/94	15t, Louis, MD 63166-0516
The following possible deviations from the r	equirements of the Toxic Substances Control
Act and regulations promulgated thereto were	observed during this inspection:
1. Pailure To dispose of one drum	of PeBoil (Drum No. 9431) within
	within
the required one year time for	×1 11.0
- 1 guitan one years in the	ane,
	1 2
2. Failure to provide accurate annu-	1 docum an for 19179.
3. Improper disposal due to two unterst	
and/or bushings at Blog 6	941235 leaking around gabushings, topchang
4 In second of the following SA	94112 - lock : I am fough mas tooch ave
1. The per disposal due to wag ner so	The state of the s
UB CON	
5. Improper disposal due to Molowey	5N2126050 level value & tap thangot
of the formation of the contest	al Pennsylvania transformer SN - 2689-1
leaking.	
/	
	/
This Summary of Observations is provided to	bring to your attention those areas of
concern at the earliest possible time. It i	s not intended to be a complete list of
deviations from the requirements of the Toxi	c Substances Control Act and regulations
thereto, but rather a list of those condition	ns of immediate concern and/or those readily
apparent. If you have any questions regardi	ng this summary, please contact the Toxics
and Pesticides Branch at 913/551-7020	
The undersigned acknowledges having received	and read a copy of this TSCA Summary of
Observations.	-
1 4 K//	
y vary Euford	ENV. 7 pec 60/15/97
Signature	Title Date

Distribution:

Title of Inspector

White - Regional Office Copy

Yellow- Facility Copy

Pink - Inspector's Copy

7-EPA-7710.2 (Rev. 8/85)

Attack ment 4



S ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

TOXIC SUBSTANCES CONTROL ACT

Form Approved OMB No. 2070-0007 Expires 3-31-88

Expires 3-31-88
61-97-T-229

TSCA INSPECTION CONFIDENTIALITY NOTICE

1. INVESTIGATION IDENTIFICATION	2. FIRM NAME
DATE INSPECTOR NO. DAILY SEQ. NO.	
05/12/97 MOOIT 61	14. FIRM ADDRESS
3. INSPECTOR NAME	
Robert L. Kragor 5. INSPECTOR ADDRESS	Lindbergh & McDonnell Blud.
5. INSPECTOR ADDRESS	□ .1 ·
MONRIANT	Hazelwood, MO 63042
P.O. Box 176	6. CHIEF EXECUTIVE OFFICER NAME
	Harry Stone-Cicples
Jefferson City, MD 65102	1
, ,	

TO ASSERT A CONFIDENTIAL BUSINESS INFORMATION CLAIM

It is possible that EPA will receive public requests for release of the information obtained during inspection of the facility above. Such requests will be handled by EPA in accordance with provisions of the Freedom of Information Act (FOIA), 5 USC 552; EPA regulations issued thereunder, 40 CFR Part 2; and the Toxic Substances Control Act (TSCA), Section 14. EPA is required to make inspection data available in response to FOIA requests unless the Administrator of the Agency determines that the data contain information entitled to confidential treatment or may be withheld from release under other exceptions of FOIA.

Any or all the information collected by EPA during the inspection may be claimed confidential if it relates to trade secrets or commercial or financial matters that you consider to be confidential business information. If you assert a CBI claim, EPA will disclose the information only to the extent, and by means of the procedures set forth in the regulations (cited above) governing EPA's treatment of confidential business information. Among other things, the regulations require that EPA notify you in advance of publicly disclosing any information you have claimed as confidential business information.

A confidential business information (CBI) claim may be asserted at any time. You may assert a CBI claim prior to, during, or after the information is collected. The declaration form was developed by the Agency to assist you in asserting a CBI claim. If it is more convenient for you to assert a CBI claim on your own stationery or by marking the individual documents or samples "TSCA confidential business information," it is not necessary for you to use this form. The inspector will be glad to answer any questions you may have regarding the Agency's CBI procedures.

While you may claim any collected information or sample as confidential business information, such claims are unlikely to be upheld if they are challenged unless the information meets the following criteria:

Your company has taken measures to protect the confidentiality of the information, and it intends to continue to take such measures.

- The information is not, and has not been, reasonably obtainable without your company's consent by other persons (other than governmental bodies) by use of legitimate means (other than discovery based on showing of special need in a judicial or quasi-judicial proceeding).
- 3. The information is not publicly available elsewhere.
- Disclosure of the information would cause substantial harm to your company's competitive position.

At the completion of the inspection, you will be given a receipt for all documents, samples, and other materials collected. At that time, you may make claims that some or all of the information is confidential business information.

If you are not authorized by your company to assert a CBI claim, this notice will be sent by certified mail, along with the receipt for documents, samples, and other materials to the Chief Executive Officer of your firm within 2 days of this date. The Chief Executive Officer must return a statement specifying any information which should receive confidential treatment.

The statement from the Chief Executive Officer should be addressed to:

FOIA OFFICET - EPA Region III
726 M. MACSUTA AVE.

and mailed by registered, return-receipt requested mail within 7 calendar days of receipt of this Notice. Claims may be made any time after the inspection, but inspection data will not be entered into the special security system for TSCA confidential business information until an official confidentiality claim is made. The data will be handled under the agency's routine security system unless and until a claim is made.

I have received and read the notice	RECEIVING THIS NOTICE:	If there is no one on the premises of the facility who is authorized to make business confidentiality claims for the firm, a copy of this Notice and other inspection materials will be sent to the company's chief executive officer. If there is another company official who should also receive this information, please designate below.
SIGNATURE		NAME
& David Shanks.		
NAME		TITLE
David Thanks	*	
TITLE	DATE SIGNED	ADDRESS
Prin. Env. Spec.	05/12/97	

SEPA

United States Environmental Protection Age. ... Washington, D.C. 20460

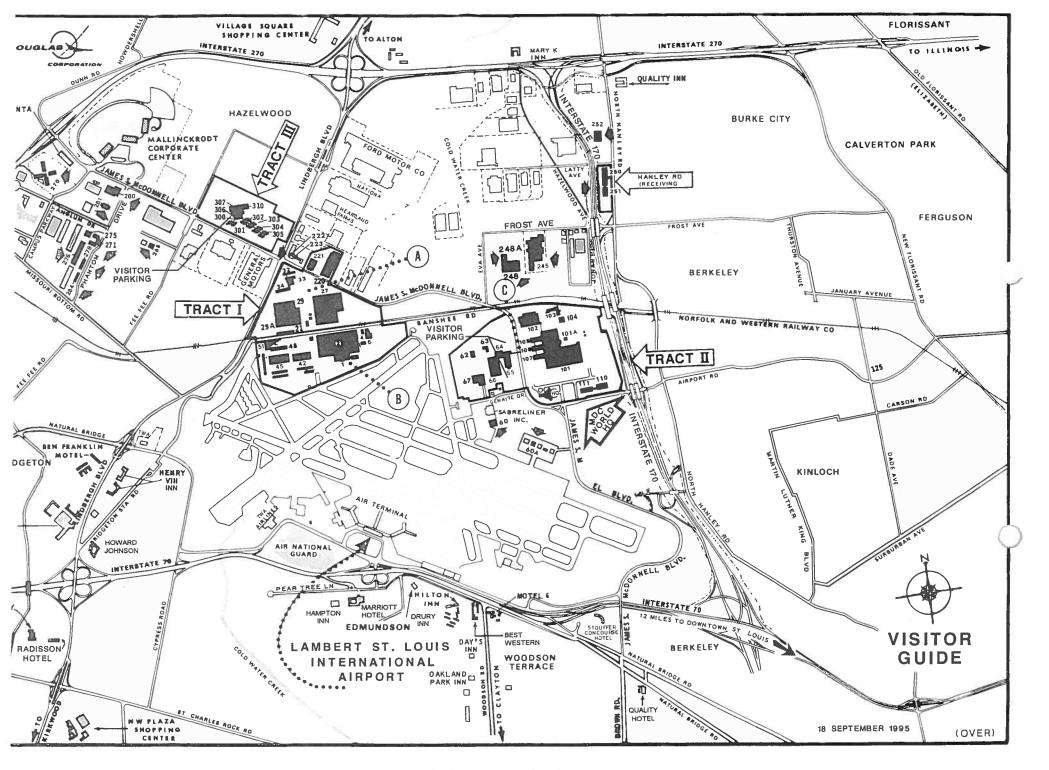
Toxic Substances Control Act

DECLARATION OF CONFIDENTIAL BUSINESS INFORMATION

The public reporting burden for this collection of information is estimated to average 5 minutes per response. This estimate includes time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information to the Chief, information Policy Branch (PM-223), US Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, and to the Office of Information and Regulatory Affairs, Office of Management and Budget Washington, DC 20503, marked ATTENTION: Deak Officer for EPA

		b sought train	Ington, DC 20503, marked ATTENTION: Desk C	37-97-T-229
	1. Investigation identification		2. Firm Name	1-11-1-20-1
	Inspector No.	aily Seq. No.	1	
3. Inspector Address	MUOIT	01	McDonnell Donalo	
3. Inspector Address	Λ	-	14 c Donnell Dougla 4. Firm Address Lindbergh & McDer Hazelwood, MD 6:	
MONA/HU P.O. Box 176	7 6		Lindbergh + McDer	mell Blud
7.0. 100x 1716		~	1	·
DETTETSON	City, MO 6	0102	Mazelwood, MO 63	3042
No.	/ Inform	The state of the s	ondar boomood information	
140.			ription	
ē.		None De	clared	
Inspector Signature Poffet // Name Robert L. Title Env. Toe	Krag 2)	Date Signed	Clairpant Signature X My By Bold Name Gary Busold Title Env Supr.	Date Signed

AHackment 6



Annual PCB Report Document

McDonnell Aircraft Company - St. Louis

For the Reporting Period 04 February 1990 - 31 December 1990

Environmental Compliance Dept. 064C 19 June1991

Attachment 8

40 CFR 761.180 (a) (1)

Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage for Disposal during 04 FEB 1990 to 31 December 1990

PCB Contaminated Material:530 kg. Non-regulated Ballasts:7476 kg.

- (ii) Total number of PCB Transformers: <u>0</u>

 Total weight of PCBs contained in the transformers: ..<u>0</u> kg.
- (iii) Total number of PCB Large Capacitors (not in containers listed above):<u>0</u>

A printout is attached that contains information on each individual container, transformer and large capacitor.

40 CFR 761.180 (a) (3)

PCB and PCB Items in Service at the end of this reporting period:

- (i) Total weight of PCBs and PCB Items in containers:NONE
- (ii) Total number of PCB Transformers (>500 ppm):23
 Total weight of PCBs in these transformers:47679 kg.
- (iii) Total number of PCB Large Capacitors:0

The attached printout provides a detailed listing of the in-service PCB items.

PCB ANNUAL REPORT DOCUMENT

McDonnell Aircraft Company - St. Louis

For the Reporting Period

01 January 1991 - 31 December 1991

Environmental Compliance Dept.064 c 17 June 1992

Attach ment 9

40 CFR 761.180 (a) (1)

Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage for Disposal during 01 JAN 1991 to 31 Dec 1991

- (ii) Total number of PCB Transformers:......17
 Total weight of PCBs contained in the transformers: 142610 kg.
- (iii) Total number of PCB Large Capacitors (not in containers listed above):0

A printout is attached that contains information on each individual container, transformer and large capacitor.

40 CFR 761.180 (a) (3)

PCB and PCB Items in Service at the end of this reporting period:

- (i) Total weight of PCBs and PCB Items in containers:NONE
- (iii) Total number of PCB Large Capacitors:0

The attached printout provides a detailed listing of the in-service PCB items.

Page No. 1

PCB TRANSFORMERS

ID NUMBER	LOCATION	GALLONS	WEIGHT	REMOVED	TRANS-	DESTROYE
Market State of the State of th		-	(KG)	FROM SERVIČE	PORTED	
6622465	BLDG 005: EAST OF BOILER HOU	385	2250	1 1	/ /	1 1
6335506	BLDG 042: ROOM 110 (P-13)	415	2410	1 1	1 1	1 1
5699110	BLDG 042: ROOM 110 (L-8)	280	1638	1 1	1 1	/ /
ULF-1	BLDG 043: SS OF BLDG	680	4168	/ /	/ /	/ /
9M2588 ·	BLDG 102: COL 11A	750	4410	/ /	/ /	/ /
29314	BLDG 103: COMPRESSOR ROOM	676	3960	/ /	/ /	/ /
7315	BLDG 103: COMPRESSOR ROOM	554	3249	1 1	/ /	/ /
		Ō	0	1 1	1 1	1 1
*** Total *	**					

3742 22085

Attap4

4		UNIFORM HAZARDOUS WASTE MANIFEST	MO D 01/01 4/8 1		Docum	ent No	2. F	Page 1			the shaded are by Federal law			
3. Generator's Name and Mailing Address McDonnell Douglas A. State Manifest Document Numb 01001-02143														
	P.O. Box 516							B. State Generator's ID						
		St. Louis, MO 63166 Generator's Phone (314) 232-					01001 C. State Transporter's ID H- 1504							
5. Transporter 1 Company Name 6. CPA ID Number												22		
Hazmat Trucking NYD980769947D. Transporter's Phone716-877-7. Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's ID									011-33	33				
								F. Transporter's Phone						
Designated Facility Name and Site Address 10. US EPA ID Number ENSCO AlW								State Fa	acility's ID					
		Industrial Dr.			اما ما	اماما		H. Facility's Phone (615) 797-9067						
	-	White Bluff, TN. 37	187 TN D	9 8 0 7			5 () 797 13.	-90€	57			
GE	L	. US DOT Description (Including Proper SI	• • •		er)	No.	Туре		Total Dantity	Unit Wt/Vol	Waste No			
N	a.	Hazardous substant NA 9188 (Polychlo	ce, liquid N.O rinated Binhen	vle) R	N-E						10,487			
R		10/4.5	rinacea bipnen	1137 11	۷	0 0 0	CY	4	7 6 7	KG	РСВ	į		
A T	b.	Hazardous substan	ce, liquid N.O	.S. OR	M-E						42	5		
O R		NA 9188 (Polychor 10/4.5	inated Bipheny	ls) RQ	1	0 01	1 C Y	1 1	1 9 3	KG	PCB	.)		
	c.	10/4:3				0 0 1			14713	1.0	100	-150		
						1.1		1	1 1 1					
	d.					1 1		-		1		-		
						1 1			1 1 1					
II	J	Additional Descriptions for Materials List	ed Above			11	K. H	andling	Codes fo	r Waste	s Listed Above	9		
		lla. PCB Transfo	rmer (see atta						,			0 15		
П	İ	llb. Gas absorbe	r box (see att	ached)										
		Emergency C	ontact: 31°	4-232-	229	35								
	19	5. Special Handling Instructions and Addi Dike and contain	tional Information				alte	erna	te TS	SD-r	eturn to			
IJ		generator. Emerg					u I C		11	,,,	ccurii c			
11	L					- ' -								
	1	GENERATOR'S CERTIFICATION: I hereby declar proper shipping name and are classified, packed	, marked, and labeled, and are in						way					
11	1	according to applicable international and national If I am a large quantity generator, I certify the	,	reduce the volu	ume and	toxicity	of waste	generate	ed to the de	egree I t	ave determined to	o be		
		economically practicable and that I have sele future threat to human health and the environ	ment: OR, if I am a small quan											
the best waste management method that is available to me and that I can afford. Printed/Typed Name Signature, Month Day Year								Year						
V	7	VA Sperill		ASL	mil	II -					6/4//3/	911		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Signature								1		Month Day	Year			
								DIGITION	111					
		Printed/Typed Name		Signature				1	/		Month Day	Year		
19. Discrepancy Indication Space														
F														
1	- C- L-TY	Corrections m	ode su	ull	el	4	1.16.	-91	SC					
	֡֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓		on of receipt of hazardous m		red by	this ma	nifest ex	cept as	s noted in	Item 19				
1	Ÿ	Printed/Typed Name		Signature	h	0.	BO	W	/		Month Dav	Year		
L					OV-						- 1	•		

Attachment 10

Manifest Additional Description Continuation Sheet

Manifest # _______ Pq _2 _ of _2 renerator McDonnell Douglas Date Removed Vanificat Item Description Unique I.D Number Wtink From Service ine Item 3-16.91 lla SER# YCP-70491 3-15-91 4767_ PCB Transformer 3-16-91 HCL Gas absorber from transformer YCP-70491-/ 11b 3-15-91 193 AH 10 pg 2

A		UNIFORM HAZARDOUS	1. Generator's US EPA ID	Docu	ment No.		age 1	Info	orma	ation in	the shaded areas			
WASTE MANIFEST M 0 0 0 0 8 1 8 9 6 3 0 2 1 6 0 1 of 2 is not required by														
	3.	Generator's Name and Mailing Address McDonnell Douglas				A. State Manifest Document Number 01001- 2160								
	P.O. Box 516 B. Stall							State Generator's ID						
	4 Generators Phone (10.) 0310 (314) 232-2319							01001						
П	5. Transporter 1 Company Name 6. US EPA ID Number							C. State Transporter's ID 1513-999						
П	Tri-State Motor Transit							D. Transporter's Phone 17-624-3131 E. State Transporter's ID 4-144						
П	11								F: Transporter's Phone					
	9. Designated Facility Name and Site Address 10. US EPA ID Number ENSCO AlW Facility							cility's	iD					
Industrial Drive H Facility's Phone														
	_	White Bluff, TN 371	TND	980729			615		<u>97</u> -	-906	7			
G	11	. US DOT Description (Including Proper Sh	ipping Name, Hazard Clas	s and ID Number)	12. Cont No.	ntainers 13. 14. Total Unit Unit Type Quantity Wt/Vol		l. Waste No.						
E N	a.	X Hazardous Substar												
R		NA 9188, (Polych)	orinated Biph	enyls) RQ	 - - 3	CY	14	162	12	KG	PCB			
A T	b.	10,113						41512121						
O R														
П	_					Щ.								
11	C.		,								*			
П							11							
П	đ.													
П							١,	l i	t					
П	J.	Additional Descriptions for Materials Liste	ed Above			K. H	andling	Code	s fo	r Waste	es Listed Above			
П		lla. PCB Transforme	rs: See atta	ched			3	,						
		LOAD# 65040	Who	•		1								
H			-/-											
П	15	5. Special Handling Instructions and Addit	ional Information											
П		Dike and contain spi	lls, avoid sk	in contact	, alt	ern	ate	TSI)-I	cetu	rn to			
Ш		generator. Emergence	y Response Gu	ide 31. Em	ergen	су	cont	act	: 1	(31	4) 232-228			
H	10	6. GENERATOR'S CERTIFICATION: I hereby decla	re that the contents of this consi	gnment are fully and acc	uralely desc	ribed ab	ove by							
Ш		proper shipping name and are classified, packed according to applicable international and national		all respects in proper co	endition for t	ransport	by high	way						
Ш	If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be							ave determined to be						
П	economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								generation and select					
Ш	\vdash	Printed/Typed Name -	able to the and that I can allow.	Signature,							Month Day Year			
N		VA Sherrill		Asceral	1						05/39/			
							Month Day Ye							
							N8[8]514							
1 1 1 1 1		Printed/Typed Name		Signature						-	Month Day Year			
19. Discrepancy Indication Space														
1	CLYVECTIVE Made Det Letter 5-16-9 2 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in tem 19. Printed Typed Name Signature / // Month Day Year													
CCYVECTIVED Made Dec letter 5-16-91 2 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in tem 19.														
1	-	Printed Typed Name /A/ / >	7		la-	7		7	1	-	Month Day Year			
L	\perp	MI1211 1026	1			1	an	ک م	_		05/67/			

Attachment 11

Style F15 REV-6 LABELMASTER, DIV of AMERICAN LABELMARK CO., CHICAGO, IL 60646

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsciete

Manifest Additional Description Continuation Sheet

dicherator.	McDonnell Douglas .	Mani	fest #	_ Pg 2	_of_2
ianifest ne Item	Unique I.D Number		Item Description	Date Removed From Service	Wtinkg
lla.	S/N 917139		PCB Transformer	5-13-91	53/2
111	5/n 710368	22	PCB TRANSFORMER	5-5-94	4605
//A	5/N 710369		PCB TRANSFORMER	5-12-91	4605
7	•				3K
				·	
			js.		
			<i>N</i>		
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			8		
	/1H 11	PZZ			

19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Signature Month Day Style F15 REV-6 LABELMASTER, Div. of AMERICAN LABELMARK CO., CHICAGO, IL 60646

Attach ment 12

Nanifest Additional Description Continuation Sheet

renerator McDonnell Douglas Manifest # 02161 Pg 2 of 2 Date Removed From Service unificst Item Description Wt in kg. Unique I.D Number 2 Item 7103075 5965 7103069 lla. PCB Transformer 4-21-91 5/~ 7103077 PCB TRANSFORMER 5965 4-21-91 IIA

N		UNIFORM HAZARDOUS WASTE MANIFEST	MODO 0 0 481	Docui	ment No.	2. Page 1			he shaded areas by Federal law.				
		Generator's Name and Mailing Address McDonnell Douglas				A. State Manifest Document Number 01001- 2197							
	I	P.O. Box 516	(314) 232-33	1 Q		B. State Generator's ID 01001							
		Transporter 1 Company Name	6.	US EPA ID Numbe	r	C. State Tra	ensporter's	ID 1	513-999				
Tri-State Motor Transit M Q D 0 9 5 0 3 8 9 9 8 D. Transporter's Phone417-62													
۱t	7. Transporter 2 Company Name 8. US EPA ID Number E. State Transporter's ID H-1144												
П	F. Transporter's Phone												
	9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID ENSCO AIW Facility												
Industrial Drive White Bluff, TN. 37187 [T N D 9 8 0 7 29 30 5 (615) 797-9067													
6	11.	. US DOT Description (Including Proper Sh	ipping Name, Hazard Class	and ID Number)	12. Conta No.	ı i T	13. otal iantity	14. Unit Mt/Vol	I. Waste No.				
ENER	a.	X Hazardous Substan NA 9188, (Polych)	ce, Liquid, N orinated Biph	envls) RO	E 01014	CY VI6	4815	KG	PCB				
ATOR	b.	Hazardous Substar X NA 9188, (Polych)	nce, Liquid, N Lorinated Biph	.O.S. ORM-	E 4	DM 1	1 70	KG	PCB				
	c.	Hazardous Substar X NA 9188, (Polyclo	nce, Solid, N. orinated Biphe	O.S. ORM-I	001 001	DM - I-	- 7 0	Ka	PCB				
	d.	10/4.5		*	1901			10					
	J.	Additional Descriptions for Materials Lister ITa PCB Transformers 11b PCB Liquid in dillo PCB Solids in di LOAD 66194 ORDER 6	rums: See Att rum: See Atta	ached		K. Handling	Codes for	Wasie	s Listed Above				
	15	5. Special Handling Instructions and Addit Dike and contain spi generator. Emergenc		n contact de 31. E	, alte	ernate nc y Co n	TSDre tact	turn #314	n to i-232-2285				
	16	6. GENERATOR'S CERTIFICATION: I hereby declar proper shipping name and are classified, packed according to applicable international and national if I am a large quantity generator, I certify the economically practicable and that I have selected.	i, marked, and labeled, and are in I government regulations.	all respects in proper o	condition for t	waste penerate	ed to the de	gree I h	ave determined to be				
II		economically practicable and that I have sele- future threat to human health and the enviror the best waste management method that is ava	ment: OR, if I am a small quan	titly generator, I have i	made a goo	d faith effort to	minimize my	waste	generation and select				
		Printed/Typed Name		Signature		0			Month Day Yea.				
N		VA Shervill		MIN	ulf				0751357				
	[1]	17. Transporter 1 Acknowledgement of Re	eceipt of Materials	Ottoration		0			Month Day Yea				
1	7 7 5 6	Printed/Typed Name	- 1	Signature		4			1017121317				
	5	JAMES 7 hcm ps 18. Transporter 2 Acknowledgement of Re	eceint of Materials	June		nom	4		- 1. 1. 1. 1. k				
	D 1	Printed/Typed Name	C	Signature					Month Day Yea				
T	1	19. Discrepancy Indication Space											
	F A C I			natarials saves de	u thia	ilast avasst s	e noted in	item 10					
1	1 2	20. Facility Owner or Operator: Certification			y this man	nest except a	s noted in		Month Day Yea				
	¥		SPARKS	Signature	2	Spa	to-		10172519				
	C+ 4-	E F 15 REV-6 LABELMASTER, DIV OF AMERICAN LAB	FLMARK CO., CHICAGO, IL 60646 (800) 621-5806		EPA Form	8700-22 (Rev	9-88) P	revious editions are obse				

Manifest Additional Description Communation Sheet

Manifest # 02197 Pq 2 of 2 Gienerator McDonnell Douglas Date Removed WHINK Manifest Item Description Unique I.D Number From Service ine Item 6105 7/16/91 6118 PCB Transformer 6640615 lla 7484 7/21/91 6622443 PCB Transformer 7500 lla 1701 PCB Transformer 7/22/91 1614 lla 716358 1766436 110 PCb Transformer 7/03/91 1145 6147465 lla PCB Transformer 7/22/91 PCB Liquid 11b 716358-1 7/22/91 308 11b PCB Liquid 716358-2 11b 716358-3 PCB Liquid 7/22/9/ 308 11b 716358-4 PCB Liquid llc SL01356 PCB Solid 7/22/91 HH 13pg2

4		UNIFORM HAZARDOUS WASTE MANIFEST	MODO08		Maniles Document	ent No.	2. F	age 1	Info is n	orma ot re	ition in	the shaded areas by Federal law.	
	3.	Generator's Name and Mailing Address McDonnell Douglas	1140/240/440	17 0 2 0	30 4	2 0	A S	tate M	anifesi	Doc	nedax	Number	
		P.O. Box 516 St. Louis, MO. 63166	(314) 232-3				B. S	B. State Generator's 10					
	_	Generator's Phone () Transporter 1 Company Name		01001 C. State Transporter's ID 1513-999									
	J.	Tri-State Motor Tran	anspo rter's	Phone 417-624-3131									
	7.	Transporter 2 Company Name	8.	US EPA I		- 1- 1-						-1144	
	9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID												
	9.	Designated Facility Name and Site Addre ENSCO ALW Facility Industrial Drive	G. State Facility's ID										
		White Bluff, TN. 37	3 0 5		acility's			-906	7				
G	11.	US DOT Description (Including Proper S	hipping Name, Hazard Cla	ass and ID Nur	mber) 1	2. Conta		1	13. Fotal Jantity		14. Unit Wt/Vol	Vaste No.	
E	a.	X Hazardous Substan	ce, Liquid,	N.O.S.	ORM-E		77						
E		NA9188, (Polychlo	orinated Biph	enyls)	RQ	1 14	ldv	16	اداء	12	T/O	DOD	
A T	b.	10/4.5				1 4	Ч	TIO	1017	.]3	KG	PCB	
R			•			1 1			f i			e?	
	c.	•					Щ.			Щ			
						1 1						6 0	
	d.			1000		11.			Ш	Ц			
						1 1			1 1			r3.	
	J.	Additional Descriptions for Materials List	ed Above				K. Ha	andling	Code	s for	Waste	s Listed Above	
		la PCB Transformer	s: See attac	ched cor	ntinua	tion	sh	eet	,				
	L	UAD# 00440 *	463742							•			
	0	rder# 36550 / 3	38005					-	•		, ·		
	15	. Special Handling Instructions and Addi Dike and contain sp.	tional Information	skin cor	ntact	alt	orn	2±0	mС	D	cotu	rn to	
		generator. Emergene Missouri Transporter	cy Response (Guide 3	Em	erge	ncy	CO	nta	cti	314	-232-2285	
	16	. GENERATOR'S CERTIFICATION: I hereby decl	are that the contents of this co-									•	
		proper shipping name and are classified, packed according to applicable international and national	d government regulations.	•			•	, ,	-,				
		If I am a large quantity generator, I certify the economically practicable and that I have sele- future threat to human health and the environ	ected the practicable method nment; OR, if I am a small qu	of treatment, sto uantity generator,	orage, or dis	posal cur	rently a	vailable	to me	which	h minim	izes the present and	
	-	Printed/Typed Name	ilable to me and that I can affo	Signature					1			Month Day Year	
V			agner	(1)	net	a.	(;	W	00	ne	1	10181161911	
TR	17	. Transporter 1 Acknowledgement of Re							/				
RANSPO	-	Printed/Typed Name		Signature Local	sold,	ليو تنم	80	Sh	ful	نسيه		Month Day Year	
O R T	18	 Transporter 2 Acknowledgement of Re Printed/Typed Name 	eceipt of Materials	Signatura								14 - 1 - 5 4	
Ē		- Tinted/Typed Name		Signature								Month Day Year	
	19	Discrepancy Indication Space						-					
FACI													
Ļ). Facility Owner or Operator: Certification	on of receipt of hazarda	o matoriale a	mrnd b	in me="	004.5			De fi			
 	1	Printed/Typed Name		Signature	rered by th	iis manif	_			i in It		Month Day Year	
		JOHN.	SPARKS		5	2	2x	عد	L	_		08139	

Manifest Additional Description Continuation Sheet

Manifest # 02206 Pg 2 of 2 nenerator McDonnell Douglas Date Removed Vanifest Item Description Wtinko Unique I.D Number From Service ne Item PCB transformer 7-22-91 2432 lla 1760036 lla 6417742 PCB Transformer 8-12-91 4727 PCB Transformer 7-28-91 lla 6417758 4727 lla 6417746 PCB Transformer 8-4-91 4727 AH 14 Pg2

W10 467340 T & 33/ FORM Approved OMB NO 2050-0039 EXDMS 9-30-91 Please print or type. (Form designed for use on e. ,12-pitch) typewriter.) Manifest 1. Generator's US EPA ID No. **UNIFORM HAZARDOUS** 2. Page 1 Information in the shaded areas is not required by Federal aw. **WASTE MANIFEST** WIOD 10 0 8 1 8 3 9 3 1 022116 3. Generator's Name and Mailing Address State Manifest Document Number McDonnell Douglas P O Box 516 01001-02216 B. State Generator's ID St. Louis, MO 63166 4. Generator's Phone (314) 232-3319 01001 US EPA ID Number C. State Transporter's ID 1513-999 5. Transporter 1 Company Name M OD 0 9 5 0 3 8 9 9 8 D. Transporter's Phone 117-624-3131 Tri-State Motor Transit 7. Transporter 2 Company Name US EPA ID Number E. State Transporter's ID H-1144 8. Transporter's Phone 9. Designated Facility Name and Site Address 10. US EPA ID Number G. State Facility's ID ENSCO AlW FAcility Industrial Drive H. Facility's Phone White Bluff, TN 37187 TND 980 7293 05 615-797-9067 12. Containers 11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number) Total Waste No. No. Type Quantity Wt/Vo E Hazardous Substance, Liquid N.O.S. ORMa. N NA9188, (Polychlorinated Biphenyls) RQ E R _[3] Q Y 1 8 3 4 5 KG **PCB** Т HAZARDOUS SUBSTANCE, SOLID, NO.S. 0 DRM-E NA 9/88, (POLYCLORINATED R BIPHENYLS) RQ 10/4.5 -12/5/46 d. J. Additional Descriptions for Materials Listed Above SEE ATTACHED K. Handling Codes for Wastes Listed Above lla. PCB Transformers; see attached continuation sheet LOAD # 66565 Order # 71436 15. Special Handling Instructions and Additional Information Dike and contain spills, avoid skin contact, alternate TSD - return to Emergency Response Guid 31. Emergency contact # 314-232-228 Missouri Transporter ID# H-1144 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford Printed/Typed Name Month Day Year Shern 0526191 17. Transporter 1 Acknowledgement of Receipt of Materials TRANSPORTER Printed/Typed Name Signature Month Day Year 08769 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Dz Year 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Sionature IOHN SPARKS Style F15 REV-6 LABELMASTER, Drv of AMERICAN LABELMARK CO., CHICAGO, IL 60646 (800) 621-5808 EPA Form 8700-22 (Rev. 9-88) Previous editions are

Manifest Additional Description Coronnation Sheet

nenerator McDonnell Douglas Manifest # 02215 Vanifest Date Removed Item Description Unique I.D Number Wtink From Service ne Item lla PCB Transformer 6622447 8/19/91 6118 lla 6622457 . PCB Transformer 8/25/91 7500 lla 6417737 PCB Transformer 8/25/91 4727 56-01356-102 PCB SOLID 8/25/91 LIH15 00 2



P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK, AR 72205 (501) 223-4160

No. 85218

CERTIFICATION OF COMPLIANCE AND DISPOSAL

INVOICE NO. 63417

ABB SERVICE COMPANY ATIN: DOMINIC POLIZZI 4000 BILTMORE SUITE 520 FENTON, MO 63026

JUL 1 6 FECTO

** 1 E ...

ENSCO CERTIFIES THAT THE ITEMS ASSOCIATED BY MANIFEST MO000002143 HAVE BEEN PROCESSED AS DESCRIBED BELOW:

	IDENTIFICATION NUMBER	DESCRIPTION	DATE OF DISPOSAL	DISPOSAL PROCESS/PROCESSES
1.	MC000002143 MO000002143	HAZ SUB LIQ NOS ORME NA9188PCB HAZ SUB SOL NOS ORME NA9188PCB	5/26/91 5/10/91	LANDFILL/INCINERATION LANDFILL

INCINERATION OCCURRED AT ENSCO, INC., AMERICAN OIL ROAD, ELDORADO, AR 71730 EPA ID NUMBER ARDO69748192

ITEMS WERE LANDFILLED AT: U.S. ECOLOGY EPA ID NUMBER(S)

NVT330010000

CHEMICAL WASTE MANAGEMENT

ALD000622464

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 1001 AND 15 U.S.C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE, AND COMPLETE. AS TO THE IDENTIFIED SECTION(S) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSON WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

BY	San Cather	
NAME	ANN CATHEY	
TITLE	WASTE TRACKING MANAGER	
DATE	06/14/91	

ENSCO INCORPORATED



P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK, AR 72205 (501) 223-4160 No.

87574

Invoice No.

65318

CERTIFICATE OF DISFOSAL

ARB SERVICE COMPANY ATTN: DOMINIC POLIZZI 400 BILTHORE SUITE 520 FENTON, HO 63026

ENSCO CERTIFIES THAT THE ITEMS ASSOCIATED WITH THE SHIPMENT IDENTIFIED BY MANIFEST MCCOCCOCCIACO HAVE BEEN PROCESSED AS DESCRIBED BELOW!

	ENSCO	CUST	DESCRIPTION		DATE OF	DISPOSAL	
SER	IIE#	ITEM\$			DISCOSAL	PROCESS/PROCESSES	SERIAL NUMBER
1.	00919571	00000101	HAZ SUB LIQ	HOS ORKE NA9188FCB	6/26/91	INCINERATION/LANDFILL	710369
1.	00919672	00000102	HAZ SUB LIQ	NOS ORNE NA9188PCB	6/26/91	INCIMERATION/LANDFILL	710368
1.	00919673	00000103	HAZ SUB LIQ	NOS ORME NA9188PCB	6/26/91	INCINERATION/LANDFILL	917139

INCINERATION OCCURRED AT ENSCO, INC., AMERICAN OIL ROAD, ELDORADO, AR 71730 EPA ID NUMBER ARDO69748192.

ITEMS WERE LANDFILLED AT U.S. ECOLOGY

EPA ID NUMBER(S) NVT330010000

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 1001AND 15 U.S.C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS TOCUMENT IS TRUE, ACCURATE, AND COMPLETE. AS TO THE IDENTIFIED SECTION(S) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL MANING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

BY	Im Lather	
NAME	ANN CATHEY	
TITLE	WASTE TRACKING MANAGER	
DATE	8/07/91	

ENSCO INCORPORATED

Page No: 1

Attachment 17 SA2-11 (REV. 2/89)



P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK, AR 72205 (501) 223-4160 NO.

87575

Invoice No.

65332

CERTIFICATE OF DISPOSAL

ARB SERVICE COMPANY ATTN: DOMINIC POLIZZI 400 BILTMORE SUITE 520 FENTON, MO 63026

ENSCO CERTIFIES THAT THE ITEMS ASSOCIATED WITH THE SHIPMENT IDENTIFIED BY MANIFEST MOCOCOCC161 HAVE BEEN PROCESSED AS DESCRIBED BELOW:

ENSCO CUST DESCRIPTION DATE OF DISPOSAL

SEQ# ITEM#: ITEM#: DISPOSAL PROCESSES SERIAL NUMBER

1. 00919641 00000101 HAZ SUB LIQ NOS ORNE NA9188PCB 6/26/91 INCINERATION/LANDFILL 7103077

1. 00919642 00000102 HAZ SUB LIQ NOS ORNE NA9188PCB 6/26/91 INCINERATION/LANDFILL 7103075

INCINERATION OCCURRED AT ENSOR, INC., AMERICAN DIL ROAD, ELDORADO, AR 71730 EPA ID NUMBER ARDO49748192.

ITEMS WERE LANDFILLED AT U.S. ECOLOGY

EPA ID NUMBER(S) NVT330010000

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 1001AND 15 U.S.C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE, AND COMPLETE. AS TO THE IDENTIFIED SECTION(S) OF THIS DOCUMENT FOR WHICH I CAMMOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

BY	Jan Cathen	
NAME	ANN CATHEY	
TITLE	WASTE TRACKING MANAGER	
DATE	8/07/91	

ENSCO INCORPORATED

Page No: 1



No. P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK, AR 72205 (501) 223-4160

91802

69748

invoice No.

CERTIFICATE OF DISPOSAL

ARB SERVICE COMPANY ATTNI DOMINIC POLIZZI 400 BILTHORE SUITE 520 FENTON, NO 63026

ENSON CERTIFIES THAT THE ITEMS ASSOCIATED WITH THE SHIPMENT IDENTIFIED BY MANIFEST MODIOCO12197 HAVE BEEN PROCESSED AS DESCRIBED BELOW!

		FIRECO	CUST	DESC	RIPT	HOI				DATE OF	DISPOSAL	
8	<u> 204</u>	ITEM	ITDH	***					-december	DISPOSAL	PROCESS PROCESSES	SERIAL MINTER
	1.	00983508	00000101	HAZ	SUB	LIG	HOS :	ORNE	HA9198PCB	10/24/91	INCINERATION/LANDFILL	6640615
											INCINERATION/LAMPFILL	6622443
											THE PROPERTY ON A CARE IT	716359
											INCINERATION/LANDFILL	6147460
											INCINERATION	
											INCTHERATION	
•											INCINERATION	
											INCINERATION	
	3.	00983516	00000301	HYZ	BOTHB	80L	HOS	ORME	NAP188PCR	8/16/91	LAMOFILL	
												122

INCINERATION GECLERRED AT ENSCU, INC., AMERICAN GIL ROAD, ELDORADO, AR 71730 EPA ID NUMBER ARDO69748192.

ITEMS MERE LANDFILLED AT " U.S. ECOLOGY EPA ID HUNGER(B) H/T330010000 ITEMS WERE LANDFILLED AT CHENICAL WASTE HAMAGEMENT EPA ID HUMBER(S) ALDOOGS22464

UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAXIMO OR SUBMISSION OF FALSE OR FRAUDILENT STATEMENTS ON REPRESENTATIONS (18 U.S.C. 1001AND 15 U.S.C. 2615), I CERTIFY THAT THE INFORMATION CONTAXNED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE, AND COMPLETE. AS TO THE IDENTIFIED SECTION(S) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE CUMPANY OFFICIAL HAVING MIPERVISURY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, HADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

NAME	HILLIAM P. CLARK	
TITLE	PLANT MANAGER	***
DATE	11/09/91	



DEC 1 9

CERTIFICATION

No. P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK, AR 72205 (501) 223-4160

F2130

Invoice No 70770

CHRITTETCATE OF DISPOSAL

APP SERVICE COMEVEN. ATTM: MORENTO POLICET 400 BILLIMORE PHILE 50% FENTON, NO AZODA

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IMPROPERATORY MINERALL IN THICK, AND AMERICAN OIL BOAD, ELICAGIOS AN PLIZO YEAR IN MICHER ARECGAZABIRD

EP4 II MAREETTS: NETTTON10100 TITHE HERE LANGERS OF L.A. SORIDSY TANKS REEL CAMEDIAL II Camina Waste Walter IV EPA ID MMESSIS, XIDOXXXIANA EPA ID NUMBERISH UTUFFURNI 740 THE WEST CARSELLED AS SEEN SOLD THE CONTROL, INC.

IBBER CIUT MED ERITET ! SESSETTES OF LAW FOR THE MOMING OR SUBMISSION OF FALSE OF FRANCULENT STATEMENTS OR REPRESENTATIONS OF BURLD. COMMAND IS BURGE. 2015), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS RECEIPTS IN THEE, ACCEPATE, AND COMPLETE. AS IS THE ELECTION SECTION OF THIS THEY MENT FOR UNION I DESCRIPT PERSONALLY VERIFY THUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL MANITHE CLEFTSHICORY PROJUBLICATION FOR THE FERBURG WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERTEINATION THAT THAT THAT INFASENTIAN IS TRUE, MACHINATE, AND COMPLETES

> WITH TAN P. CLASS NAME . PLANT MARKET TITI F 11/21/91 DATE_

> > **ENSCO INCORPORATED**



P.O. BOX 8513 333 EXECUTIVE COURT LITTLE ROCK, AR 72205 (501) 223-4160 No.

91803

Invoice No.

71436

CERTIFICATE OF DISPOSAL

ABB SERVICE COMPANY ATTN: DOMINIC FOLIZZI 400 BILTHORE SUITE 520 FENTON: MD 63026

ENSOR CERTIFIES THAY THE ITEMS ASSOCIATED WITH THE SHIFMENT IDENTIFIED BY MANIFEST MOROGOOD2216 HAVE BEEN PROCESSED AS DESCRIBED BELOW:

ENSON CHST DESCRIPTION DATE OF DISPOSAL

SEDT TIME THAT DESCRIPTION DISPOSAL

1. 00013933 00000101 HAZ SHE LIQ NOS ORME NA9188FCB 9/30/91 INCINERATION/LANDFILL 6422457

1. 00013935 00000102 HAZ SHE LIQ NOS ORME NA9188FCB 10/24/91 INCINERATION/LANDFILL 6417737

1. 00013935 00000103 HAZ SUE LIQ NOS ORME NA9188FCB 10/24/91 INCINERATION/LANDFILL 6622447

2. 00013937 00000201 HAZ SUE SOL NOS ORME NA9188FCB 9/30/91 LANDFILL

INCINERATION DOCUMERO AT ENSCO, INC., AMERICAN DIL ROAD, ELDORADO. AR 71730 EFA ID HUMBER ARDO69748192.

ITEMS WERE LANDFILLED AT U.S. ECOLOGY EPA ID NUMBER(S) NVT330010000 ITEMS WERE LANDFILLED AT CHEMICAL WASTE MANAGEMENT EPA ID NUMBER(S) ALDO00622464

UNTER CIVIL AND CRIMINAL PEHALTIFS OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S.C. 100) AND 15 U.S.C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS MOCUMENT IS TRUE, ACCURATE, AND COMPLETE. AS TO THE IDENTIFIED SECTION(S) OF THIS MOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND ACCURACY, I CERTIFY AS THE COMPANY OFFICIAL HAVING SUPERVISORY RESPONSIBILITY FOR THE PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE:

NAME WILLIAM P. CLARK

TITLE PLANT MANAGEF:

DATE 11/09/91

ENSCO INCORPORATED

Altach ment &1

Fage No:

SA2-11 (REV. 2/89)

PCB TRANSFORMERS IN SERVICE 31 DEC 89

	ID NUMBER	LOCATI	ON	GALLONS	WEIGHT (KG)			TRAN		DESTROYE	
X.	6417742	BLDG 002: (L-1)	COL 10F	245	1140	/	/	/	/	/	/
	6622447	BLDG 002: (P-1)	COL 10F	305	1782	/	/	/ ,	7	/	/
	6417758	BLDG 002: (L-2)	COL 10B	245	1440	/	/	/	/	/	/
	6640615	BLDG 002: (P-2)	COL 10B	305	1782	/	/	/	/	/	/
	6417737	BLDG 002: (L-3)	COL 25F	245	1440	/	/	/	/	/	/
	6622457	BLDG 002: (P-3)	COL 25F	385	2250	/	· /	/	/	/	/
U	6417746	BLDG 002: (L-4)	COL 25BBC′	245	1440	/	/	/	/	/	/
	6622443	BLDG 002: (P-4)	COL 25BBC/	385	2250	/	/	/	/	/	/
	1760036	BLDG 002: (FR 27)	COL 26C	154	900	/	/	/	/	/	/
	NONE	BLDG 003:	BASEMENT	173	1013	/	/	/	/	/	/
-	6622465	BLDG 005: BOILER HOU		385	2250	/	/	/	/	/	/
	917139	BLDG 027: FURNACE	CAR BOTTOM	370	2165	/	/	/	/	. /	/
	7103069	BLDG 027: (L-21)	TR #21	245	1440	/	/	/	/	/	/
	7103077	BLDG 027: (P-21)	TR #21	330	1935	/	/	/	/	/	/
	7103068	BLDG 027: (L-22)	TR #22	245	1440	/	/	/	/	/	/
	7103075	BLDG 027: (P-22)	TR #22	330	1935	5 /	/	/	/	/	/
	YOP70491	BLDG 027: (P-26)	HEAT TREAT	240	1242	2 /	/	/	/	/	/

2

PCB TRANSFORMERS IN SERVICE 31 DEC 89

ID NUMBER	LOCATION	GALLONS	WEIGHT (KG)	REMOVED FROM SERVICE	TRANS- PORTED	DESTROYED
6335506	BLDG 042: ROOM 110 (P-13)	415	2410	/ /	/ /	/ /
5699110	BLDG 042: ROOM 110 (L-8)	280	1638	/ /	/ /	/ /
ULP-1	BLDG 043: SS OF BLDG	680	4168	/ /	/ /	/ /
9M2588	BLDG 102: COL 11A	750	4410	/ /	/ /	/ /
29314	BLDG 103: COMPRESSOR ROOM	676	3960	,, / ./	/ /	/ /
29315	BLDG 103: COMPRESSOR ROOM	556	3249	/ /	/ /	/ /
*** Total **	*	£189	47679			

8189 47679

Page No. 07/16/90

1

PCB CONTAMINATED TRANSFORMERS IN SERVICE 31 DEC 1989 (Over 50 mg/l, but less than 500 mg/l)

TRANSFORMER SUBSTATION	TRANSFORMER NUMBER	GALLON CONTENT	PCB's (ppm)	WEIGHT (kg)
8	008HVT2	1060	73.7	3816
8	008HVT1	847	69.4	3049
8	008HVT4	760	52.3	2736
8	008HVT3	7100	104.8	25560
44	6147466	114	129.3	410
44	6147467	114	92.5	410
20	020HVT3	1654	91.5	5954
20	020HVT2	1654	97.6	5954
20	020HVT1	1654	89.4	5954
20	020HVT5	2153	108.5	7 751

TOTALS	10 TRANSFORMERS	17110		61594

HAZARDOUS WASTE CHEMICAL ANALYSIS

DATE REQUESTED 12-3-82 SAMPLE I.D. 666-7-6147466

DEPARTMENT MAINT	BUILDING/LOCATION	Tract I	Substation 49	1
NOW IN TANK NO.	c	RIGINAL TANK	NO	
MISCELLANEOUS INFORMATION OR I	DENTIFICATION			
		2 - Conta	minated	
r only items checked		PCB TV	no minated rans former	
SPECIFIC GRAVITY				
pH				
COLOR				
FLASH POINT (PMCC)			° CENTIGRADE	
% SOLUBILITY (REFERENCE _)		4	
PCB'S TYPE(S) Aroclor	1260]	129.3	PPM (W/W)PCB see	*ne
% BY WT VOLATILES AT 100 °	C			
% BY WT VOLATILES AT 600 °	C			
% OIL/GREASE		<u> </u>		
CHLORINE AS			mg/1 C1-	
AMMONIA AS		27	mg/1 N ⁺³	
CYANIDE AS			% BY WT CN	
HEX CHROMIUM AS			% BY WT Cr + 6	
HYDRO FLUORIC ACID AS			% BY WT HF	
NITRIC ACID AS		Hejo-	% BY WT HNO₃	
SODIUM HYDROXIDE AS	2		% BY WT NAOH	
ORGANIC CHLORIDES AS			mg/1 OR % BY WT C1-	
SULFIDES		<u>√</u> 2 = ± ±	% BY WT S -	
TOTAL CHROMIUM	<u> </u>		mg/l	
INORGANIC CHLORIDES			% BY WT C1-	
INORGANIC FLUORIDES			% BY WT F -	
INORGANIC NITRATES			% BY WT NO3-	
INORGANIC PHOSPHATES		- 15	% BY WT PO 4 3	.Ti
INORGANIC SULFATES			% BY WT SO ₄ -2	
SULFURIC ACID AS				
TED BY Jim Twicke	ll	EMPLOYE NO	.181994	9
E TESTED 1/15/83				
高致性 发生的 1000 mm - 1000 m	apture gas		1 10	4.1

HAZARDOUS WASTE CHEMICAL ANALYSIS

DATE REQUESTED 12-3-82 SAMPLE I.D. 667-8-6/47467

EPARIMENI	BUILDING/LOCATION Tract	I Substation 44
	ORIGINAL TA	
SISCELLANEOUS INFORMATION (OR IDENTIFICATION	
ONLY ITEMS CHECKED	P & &	contaminated Transformer
SPECIFIC GRAVITY		
	*	
_1		
% SOLUBILITY (REFERENC	E)	
	1260] 92.	
☐ % BY WT VOLATILES AT 10	0 °C	<u> </u>
BY WT VOLATILES AT 60	0 °C	
% OIL/GREASE		
CHLORINE AS		mg/1 C1-
AMMONIA AS		mg/1 N ⁺³
HYDRO FLUORIC ACID AS _		% BY WT HF
NITRIC ACID AS		- % BY WT HNO.
SODIUM HYDROXIDE AS		7 DV WT MACH
ORGANIC CHLORIDES AS		mg/1 OR % BY WT C1-
SULFIDES		% BY WT S -
TOTAL CHROMIUM		mg/1
INORGANIC CHLORIDES		% BY WT C1-
INORGANIC FLUORIDES		% BY WT F -
NORGANIC NITRATES		% BY WT NO ₃ -
INORGANIC PHOSPHATES_		% BY WT PO - 3
INORGANIC SULFATES		% BY WT SO ₄ -2
SULFURIC ACID AS		
BY gen Twick	EMPLOYE	NO 181994
ESTED 1/15/83	EMIFLOTE	110.

DEPARTMENT OF NATURAL RESOURCES Division of Environmental Quality

TELEPHONE OR CONFERENCE RECORD

File Mc Donnell Douglas Acrospace	Date 6 5/15/97
TELEPHONE	CONFERENCE
Incoming ()	Field ()
Outgoing (火)	Office ()
SUBJECT 1991 Annual Document	
PERSONS INVOLVED	
Name	Representing
Mr. Gary Buford	MDA
Mr. Robert Krager	M.DNR/HWP
	, ,
SUMMARY OF CONVERSATION I Called Mr. Bufo	od to toll him of a possible discognacy
	t I did not observe during the inspection. I
1691 +1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	of transformers shipped for disposal during
	estorners was incorrect. Mr. Buford
	the manifest with the serial numbers on
	orner SN 6147465 was untested according
^ ~	97 showed the transformer as PCB. I
ACTION TAKEN as Ked Mr. Buford to a	letermine if the transformer in question
had been tested, and if so to am	end the annual documents affected lex
the transformer.	
FINAL RESULTS	
	00101

Nobuth Regar Sign Attachment 25

Signature

PCB ANNUAL REPORT DOCUMENT

McDonnell Aircraft Company - St. Louis

For the Reporting Period

01 January 1992 - 31 December 1992

Environmental Compliance Dept.064 c 17 June 1993

40 CFR 761.180 (a) (1)

_Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage and Placed Into Storage for Disposal during 01 January 1992--- 31 December 1992.

(i) Total weight of PCBs and PCB Items in Containers:14639.5 (kg.)

- (ii) Total number of PCB Transformers:.....0
 Total weight of PCBs contained in the transformers: ..0 (kg.)
- (iii) Total number of PCB Large Capacitors: (not in containers listed above):.....0

A printout is attached that contains information on each individual container, transformer and large capacitor.

ATT 26 152

40 CFR 761.180 (a) (3) 06/20/93

PCB and PCB Items in Service at the end of this reporting period: _____01 January 1992--- 31 December 1992_____

- (i) Total weight of PCBs and PCB Items in containers.....<u>NONE</u>
- (iii) Total number of PCB Large Capacitors:.....0

The attached printout provides a detailed listing of the in-service PCB Items.

PCB ANNUAL REPORT DOCUMENT

McDonnell Aircraft Company - St. Louis

For the Reporting Period

01 January 1993 - 31 December 1993

Environmental Compliance Dept.064 c 17 June 1994

40 CFR 761.180 (a) (1)

_Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage and Placed Into Storage for Disposal during 01 January 1993--- 31 December 1993.

(i) Total weight of PCBs and PCB Items in Containers:37,700 (kg.)

- (ii) Total number of PCB Transformers:.....2
 Total weight of PCBs contained in the transformers:5,731 (kg.)
- (iii) Total number of PCB Large Capacitors:
 (not in containers listed above):.....0

A printout is attached that contains information on each individual container, transformer and large capacitor.

40 CFR 761.180 (a) (3) 06/21/94

PCB and PCB Items in Service at the end of this reporting period:	
01 January 1993 31 December 1993	

(i)	Total weight of PCBs and PCB Items in containers <u>NONE</u>
(ii)	Total number of PCB Transformers (> 500 ppm) <u>5.</u> Total weight of PCBs in these transformers: <u>18,037 kg.</u>
(iii)	Total number of PCB Large Capacitors:0

The attached printout provides a detailed listing of the in-service PCB Items.

PCB TRANSFORMERS

ID NUMBER	LOCATION	N GALLONS	
6622465	BLDG. 5: EAST OF BOILER HOUSE	385	2250
6335506	BLDG. 42: ROOM 110 (P-13)	415	* 2410
5699110	BLDG. 42: ROOM 110 (L-8)	280	* 1638
ULP-1	BLDG 43: SS OF BLDG.	680	*4168
9M2588	BLDG. 102: COL. 11A	750	4410
29314	BLDG. 103: COMPRESSOR ROOM	676	3960
29315	BLDG. 103: COMPRESSOR ROOM	556	3249
TOTAL			22085

^{*} TRANFORMERS REMOVED 02/04/93.

		802 8C 300 RES	OŲR	CES
pir d g	rea	30 30	84	

Form Approved OMB No 2050-0039, Es UNIFORM HAZARDOUS Information in the shade WASTE MANIFEST meditor thine and Mailing Address

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Address H424 Generator Hand 18042 Transcolog Coppeny Name DE EPA ID Number COPY 7. Transporter 2 Company Name 9. Designated Facility Name and Site Address D. LIS ERA LD Number-Aptus, Inc. P.O. Ber 1328/Hwy. 169 North Coffeyville, KS-67337 11. US DOT accompany Unchalled Proper Shipping Name, Hazard Class, and 19 Multib Number RO MATARDOS SUBSTANCE, SOLID, N.O. 8. ORM R. MA 9188 (POLYCHLORINATED BIPHENYLS) RO HAZARDOUS SUBSTANCE, SOLID, N.O.S., JA ORM-E, MA 9188 (POLYCHLORINATED BIPHENYLS) D, M RO HAZARDOUS SUBSTANCE, LIQUID, N.O.S ORM-E, NA 9188 (POLYCHLORINATED BIPHENELS) na ana katamban katawa kat 15 Special Handling Instructions and Additional Information IF mobile to delive to designated 75D Acility, Return See Enclosed Contingency Plan to generative. Work Order 195877 PCB MANIFEST 01001 - 02513 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable.

OR, If I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford. Signature Year 0,20, 17. Transporter PAcknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day Year 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Day Month 19. Discrepancy Indication Space 2-26-93 REPORTED TO DON HAGER WEIGHT DISCPREANCIES: 11c-4090 Kg CHECKED IN.C.

B∀ **BE**

Date

Day

Month

Attachment 28

29. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name

Form 8700-22 (Rev. 8-91) MDNR-HWG 10

Me DUNNA Daugh	/ // 5	MANIFEST NUMBER	PAGE	OF '
This continuation sheet e	ontains the inform NIFEST-GENERA	ation required under 4 AL REQUEREMENTS.	0CFR761.2	07 - TILE.
PCB WASTE TYPE	1.1).//	DATE REMOVED SERVICE FOR DIS		WEIGITT IN Kg.
Trausformer	6335506	2-4-9	3	3895
(run tormer	56 99 116	.2-4-	93.	18.36
Drum of Debri	1 at 3	1~15-	93	45
P P O	20+3	1-15-	93	45
li li 're	30+3	2-9-	93	45
orum of oil	1 of 13	2-4-6	73	269
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	3 0-13			• !
	5 cit 1	7		
	G i.+1	3		
10	7 671	3	E .	
	8 0+1	3		
	7 0+1	3		
	16 ct.1	3		
	1/6+1			
	12 0+1			
	130413	- V		
				· · · · · · · · · · · · · · · · · · ·
CERTIFICATION: I certify the information listed ab	ove accurately des	cribes all of the PCB M	Inste contat.	ned on this wants-A
SIGNATURE BRANCE	E.K-6		9	vii ins minnest.
TITLE Environnes	al and HAZ	LARDNS MALNING	Sinia	<u>.</u> 5
DATE 2/9/93	3 1			
IF MORE SPACE IS	NEEDED - PLEAS	SE USE ANOTHER C	מיזיוטעגיאס	TON SILETT

PCB ANNUAL REPORT DOCUMENT

McDonnell Douglas Aerospace

For the Reporting Period

01 January 1994 - 31 December 1994

Environmental Compliance Dept. 064 c 26 June 1995

Attach neut 29

40 CFR 761.180 (a) (1)

_Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage and Placed Into Storage for Disposal during 01 January 1994--- 31 December 1994.

(i) Total weight of PCBs and PCB Items in Containers:16,080. (kg.)

- (ii) Total number of PCB Transformers:.....6
 Total weight of PCBs contained in the transformers:40,479 (kg.)
- (iii) Total number of PCB Large Capacitors:
 (not in containers listed above):.....0

A printout is attached that contains information on each individual container, transformer and large capacitor.

AH 22 Maz

40 CFR 761.180 (a) (3)

PCB and PCB Items in Service at the end of this reporting period: 01 January 1994 - 31 December 1994

(i) Total weight of PCBs and PCB Items in containers	<u>none</u>
(ii) Total number of PCB Transformers (>500ppm) Total weight of PCBs in these transformers:	<u>1</u> 2250 kg.

0

The attached printed provides a detailed listing of the in-service PCB Items.

(iii) Total number of Large Capacitors

PCB TRANSFORMERS

ID NUMBER	LOCATION	GALLONS	WEIGHT (kg)	REMOVED
6622465	BLDG. 5 east of boiler room	385	2250	In place
6335506	BLDG. 42; rm.110	415	2410	2/4/93
5699110	BLDG. 42; RM.110	280	1638	2/4/93
ULP-1	BLDG. 43; SS. BLDG.	. 680	4168	8/15/94
9M2588	BLDG. 102; COL.11A	750	4410	12/23/94
29314	BLDG.103: Comp.rm	. 676	3960	12/23/94
29315	BLDG.103: Comp. rm	n. 556	3249	12/23/94
TOTAL ***TOTAL IN	· V SERVICE***		22085 2250	

RI DEPARTMENT OF NATURAL RESOURCES Division of Environmental Quality MIS

Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE
U.S. COAST GUARO
1-800-424-8802
CHEM TREC
1-800-424-9300
DEPT. OF NATURAL RESOURCES
314-634-2435

GENERATOR FINAL COPY - PART 2

rint or type (Form designed for use on elite (12-pitch) typewriter.) UNIFORM HAZARDOLL

ONING HAZARDOUS	1. Generator's US EPA ID No	0.	Manifest	To Bee			050-0039, Expires 9-	
WASTE MANIFEST	M, O, D, O, O, 0, 8	1.896316	ocument No.	2. Page	_		the shaded areas	
3. Generator's Name and Mailing Address	McDonnell Dougl	12 10 10 10 10	12, 13,	of .			State law.	
	Linburgh & McDo		i	A Miss	oni Mankadibaci	manentim	国的社会 (1917年)	213
	Bearings & ACDO	umeri BiAd.		1		13		() c
4. Generator's Phone (314) 232-3319	Hazelwood, MO 6	3042		B.G.S.	I. (Genesit Addis	1		5 3 3 1
	<u> </u>			1			1430	
Light point 1 Company Name ansportati	on Services 6 HSE	PA ID Number		1	A 7 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
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7. Transporter 2 Company Name	8 118 5	PA ID Number	2,3,0,3	in Ca	sporter's Prighe	40		题>
	1	LY ID Milliplet		15 MOI	超越海 三十二	5. 127		
9. Designated Facility Name and Site Address				THE	sporters Hnone 1	-11		器 ?
apeus, Inc.		EPA ID Number		1.27	Facility's (O * 3 *	S 4.1		
P.O. Box 1328/Hwy. 169 N	lorth			1		可化法	SOX	VNIII
Coffeyville, KS 67337	01 611			374 8 (4 5 m)	- T- 10-10-10-10-10-10-10-10-10-10-10-10-10-1	a rate		
	IKS	D, 9, 8, 1, 5, 0,	6 A 2 E		William (支持基	15777 1887	酒出
11. US DOT Description (Including Proper Shipping N	Jame Hazard Clara and ID Alice	2 2 0 1 5 0					A 10	利品
		er)	12. Contain	ers	13.	14.		5月F
a			Number	Туре-	Total - Quantity	Unit	we il Waste No.	祖《
				.,,,,	Quantity	Wt/Vol.		
	-	** -			•		THE WAS INCOME	ENERA
RO POLYCHLORINATED BIPHE	NYLS, 9, UN2315.	PCTT		h	- 0		A COUNTY	쵎片
b.	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1011	001	C M	0,9,3,04	K	神社 化	
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RO POT YOUT ON THE MEN					•	1		
RQ POLYCHLORINATED BIPHE	NYLS, 9, UN2315,	PGII	2001	CM	0111115	k E		
			UMIT		<u> </u>		14.64	4.2
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RQ POLYCHLORINATED BIPHE	MVIC O minair		1	1	÷.	. 2		出 :
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J. Additional Descriptions for Materials Listed Above	a fine in the second		HANDI NG SAS				是特别的	
transformer filled with	ackinal at	K.	HANDLING CODI	FACILITY	USE ONLY)	· ·	COMMENTS	7
transformer filled -it	sakarer Storage E	Date 8-/59 a		D8.	1/T03-011		COMMENTS	վ ፮
transformer filled with	iskarel Storage I	Date 8.15.99 b.		D8:	1/T03-011	•		RETURN FROM
transformer filled with	askarel Storage I	Date 8/59/10	1		1/103-011			_
		d.		7	2/12/03 -011			_
5. Special Handling Instructions and Additional Inform	nation PCB MANIFE				-1-		. المر	12
Work Order #95878			THILEBE	4 RT 1	L2M			
EMERGHECY HUMBER 314-232	-220s II unable	to deliver t	Occesio	nated	i to TSD F	a @ li	tv.	S
	racurn	1 to Generato	I.			•		ER ITS
16. GENERATOR'S CERTIFICATION. I hereby declare the and labeled, and are in all respects in proper condition if the heream a large quantity generator A certify that I have	at the contents of this section		7	Fails	· # 525	0.K<		i iii
and labeled, and are in all respects in proper condition in the same a large quantity generator, a certify that I have and that I have selected this profession method that	or transport by highway according to	It are fully and accurately of						AF F
and institutional state of the	by Programming placetto require the	VOLUME and teriality of		-		ne mere ted	LIBUUTIS,	
and that I have selected the particular method of the OR, If I am a small quantity generator, I have made a for Printed/Typed Name	micront, scorage, of disposal curren	ally available to me which n	ninimizes the pr	resent and	ree i have delermine I future threat to bu	d to be ec	onomically practicable	GENERATOR
Printed/Typed Name	The interior in waste of	generation and select the bea	si waste manage	ment met	hod available to me to	hat I can alt	lano inerenviton nen: lord.	- F
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7. Transporter 1 Acknowledgement of Receipt of Materia	FERRE EN	Il kust	NOT N			1.	8119194	1 2
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Designated Facility Owner or Operator: Certification of Printed Typed Name	receipt of hazardous manager							COPY MUST BE RETAINED
Printed Typed Name	A paraguous materials cov	ored by this pranifest excep	ot,as noted in Ite	em 19,	2		Date	1 2
Daniel KI	, Mr. In Sig	gnatura	•	118	11.111-	Mo	nth Day Year.	S COPY
rm 8700-22 (Rev. B-91) MDNR-HWG 10	UVILLE	IN M	1111	JIK.	Ulle	10	C/2 HO	2 5
, v/ month-third 10	1.11	1 -		1		-0	10/4/2/7/	HISH
	Attach	-ment 30						2.5

COLLEGE TO STREET.

McDonnel Douglos		MANUFEST MUMBER	OF '7			
This continuation sheet co	mtains the informa	tion required under 4. LREQUEREMENTS.	OCITITO	1.207 - THE		
PCB WASTE TYPE	1.1).#	DATE REMOVED I SERVICE FOR HIS	HOAL	WEIGITT IN Kg.		
Posterman (PCB)	43419-1	8-15-9	4	9304 1145		
Tronsformer (PCB)	6147 465	8.15.9	4			
Transformer (PCB)	6147467	8-13-	9	11.85		
	1 1374		1			
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Driver Charles			7.0			
CTIFICATION: criffy the information listed above						
GNATURE	accurately descrit	res all of the PCB Wn	ete contu	ined an this manifest.		
Jan Das	176	•				
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ATE 2/	I'ME ENC)	2.			
8/19/94	:		*			
IF MORE SPACE IS NE	EDED - PLEASE (JSE ANOTHER CON	LYNNYL	LION SHEET		

AH 30 Pg 2

P.O. Box 1328 Coffeyville, KS 67337 (316) 251-6380

APTUS

October 3, 1994

DON HAGER
MCDONNELL DOUGLAS
LINDBURGH & MCDONNELL BLVD.
HAZELWOOD, MO 63042-

RE: Aptus Document No. KJ12M

Dear DON HAGER:

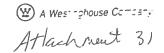
Enclosed is your Certificate of Disposal from Aptus, which certifies that the waste material received on the referenced manifest has been properly disposed. Also enclosed is a detail summary of the movement of your material.

We appreciate your business and we look forward to assisting you with your waste management needs in the future.

Should you have any questions regarding our services, please contact your Facility Service Representative at 1-316-251-6380.

Kim Durst Manager, Business Department

Enclosures



P.O. Box 1328 Coffeyville, KS 67337 (316) 251-8380

APTUS

October 3, 1994

CERTIFICATE OF DISPOSAL

NO. 24509

MCDONNELL DOUGLAS LINDBURGH & MCDONNELL BLVD. HAZELWOOD, MO 63042-

- A. THIS IS TO CERTIFY THAT THE HAZARDOUS SUBSTANCE MANIFESTED TO APTUS ON APTUS DOCUMENT #KJ12M WAS DISPOSED OF IN ACCORDANCE WITH 40 CFR 761 (AND 40 CFR 264 IF APPLICABLE) AS OF 09/20/94. ATTACHED, IS A DETAIL REPORT WHICH IDENTIFIES THE DATE(S) OF DISPOSAL AND THE PROCESS UTILIZED FOR EACH WASTE LISTED.
- B. UNDER CIVIL AND CRIMINAL PENALTIES OF LAW FOR THE MAKING OR SUBMISSION OF FALSE OR FRAUDULENT STATEMENTS OR REPRESENTATIONS (18 U.S. C. 1001 15 U.S. C. 2615), I CERTIFY THAT THE INFORMATION CONTAINED IN OR ACCOMPANYING THIS DOCUMENT IS TRUE, ACCURATE AND COMPLETE. THE IDENTIFIED SECTIONS(S)(A.) OF THIS DOCUMENT FOR WHICH I CANNOT PERSONALLY VERIFY TRUTH AND I CERTIFY AS THE COMPANY OFFICIAL ACCURACY, FOR THE RESPONSIBILITY SUPERVISORY HAVING PERSONS WHO, ACTING UNDER MY DIRECT INSTRUCTIONS, MADE THE VERIFICATION THAT THIS INFORMATION IS TRUE, ACCURATE, AND COMPLETE.

APTUS

EPA ID # KSD981506025

PETER D. HANLEY, P.E.

MANAGER, ENTRONMENTAL AFFAIRS

A Westinghouse Company

Art 31 pg 2

CENERATOR

MCDONNELL DOUGLAS

LINDBURGH & MCCONNELL BLVD.

CORRESPONDENT

ABB SERVICE CO.

400 BILTMORE, SUITE 520

WORKORDER # 95878

APT DOC # KJ12M

CUST MANIFEST:

HAZELW000

MD 63042-

FEVION

MO 63026-

STATE MANIFEST: 010012794

EPA # MOD 000 818 963

PHONE: 3142323319

PHONE: 3143430232 DOMINIC POLIZZI

SALESMAN:

DATE OF REPORT: 10/03/94

DON HAGER

CCCCE: 0082999

HOLD BACK: 0%

GCCDE: 0086426

ITBM PROTYPE ONT DESCRIPTION	SERIAL/DRUM #	CONCEN	UNT W	л ол	ry unt	LOCATN	DISPOSAL FACILITITY	SHIPMAN	CONUMBER	ACCEPTED OUT/SRVC SHIP	DESTROYO COSMIVI
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MANIFESTS ON JOB NUMBER

95878

KJ12M

STRUCTIONS FOR THE COM-ET,ON OF THIS FORM ARE ON A PARATE SHEET

-15 DOCUMENT MUST BE USED ALL MISSOURI-DESTINED - SUENTS

URI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality Hazardous Waste Program P.O. Box 176 Jefferson City, Missouri 65102

EMERGENCY RESPONSE 1-800-424-8802 CHEM TREC

314-751-3176 DEPT. OF NATURAL RESOURCES 314-634-2436 HAZARDOUS WASTE MANIFEST Form Approved OMB No 2050-0039, Expires 9-30-94 print or type (Form designed for use on elite (12-pitch) typewriter.) 1. Generator's US EPA ID No. Manifest Information in the shaded areas 2. Page UNIFORM HAZARDOUS Document No M Q D 0, 0, 0, 8, 1, 8, 9, 0, 6 0, 0, 9, 6 is required by State law WASTE MANIFEST A. Missouri Manifest Document Number 3. Generator's Name and Mailing Address McDonnell Douglas Corporation Mailcode | 1111099 0, 0 1/2748 Airport Rd & McDonnell Blvd B. G.S.L (Gen: Site Addre St. Louis, MO 4 Generator's Phone (314) 63134 232-3319 C. MO. Trans. 10 (2) The H144 5. Transporter 1 Company Name 6 US EPA ID Number D. Transporter's Phone . 800-433-7895 DED981110166 Matlack Systems, Inc. E. NO. Trans. ID 7. Transporter 2 Company Name 8 US EPA ID Number F. Transporter in Process 9. Designated Facility Name and Site Address 10. US EPA ID Number Tipton Environmental Technology, Inc. HH1011 One Mile East Hwy 50 H. Facility's Phone 7 Tipton, MO 816-433 M Q D 9 8 1 5 Q 6 6 1 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) 12. Containers Total Unit Number Type ENWASTE CODE Polychlorinated biphenyls, (non-RCRA Hazardous Waste Solid, last contained GT 500 ppm PCB, in Transformer case, LT DOT RQ) EP/V/ST-CODE By HyB Polychlorinated biphenyls (non-RCRA Hazardous Waste DM Solid GT 500 ppm PCB's, LT DOT RQ) EPA WASTE CODE 1111 MASTE CODE J. Additional Descriptions for Materials Listed Above K. THE DESIGNATED A STATE OF THE PARTY OF THE PAR 8. D18 0 PCB Trans Dr GT 500 THE GENERATOR b. PCB debris c d. 15 Special Handling Instructions and Additional Information JF unable to deliver to designate facility, PCB Manifest ВУ See continuation sheet for additional information. Emergency Contact: (314)232-2285. ВУ GENERATOR 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, THE DEI ARTMENT and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford. Month Signature Printed/Typed Name THE 26 DRYAM Date 17. Transporter 1 Acknowledgement of Receipt of Materials 0 Day Month Printed/Typed Name BACK 18. Transponer 2 Acknowledgement of Receipt of Materials Date-Month Day Year SENT Signature 19. Discrepancy Indication Space an 0/10%. EA

ACHITTY THEN THANSMITTED TO MUST COPY

20 Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19 Printed/Typed Name

Day Month 113

Annual Document Log & Work Order Tipton Environmental Technology, Inc. One Mile E. Hwy. 50, P.O. Box 849

Tipton, MO 65081 EPA#: MOD981506611 Generator: McDonnell Douglas Corp.; St. Louis, MO

Generator US EPA ID #: MOD000818906

01/01/94 to 12/31/94

Page 1 of 1

Work Order & Unique ID	Regulatory Description	Description	#	Date of RFS for disposal	Date Rec'd	Weigh	t Outgoing	Outgoing Mnft. #	Transport Date	Disposer Name	Disposal Date
411	PCB Article	PCB Dr Trans >	00963	12-23-94	12-27-94	7276.0					
9M2588		PCB Oil					45.0	95002	01-05-95	Rollins Env Ser (TX)	01-10-95
		PCB Flush					1896.0	95002	01-05-95	Rollins Env Ser (TX)	01-10-95
		MT PCB Trans D&F	w/fd >				7267.0	95006	01-13-95	US Ecology, Beatty, NV	01-17-95
411	PCB Article	PCB Dr Trans >	00963	12-23-94	12-27-94	5516.0					
29314		PCB Oil					99.0	95002	01-05-95	Rollins Env Ser (TX)	01-10-95
		PCB Flush					1723.0	95002	01-05-95	Rollins Env Ser (TX)	01-10-95
		MT PCB Trans D&F	w/fd >				5452.0	95006	01-13-95	US Ecology, Beatty, NV	01-17-95
411	PCB Article	PCB Dr Trans >	00963	12-23 94	12-27-94	4128.0					
29315		PCB Oil					63,0	95002	01-05-95	Rollins Env Ser (TX)	01 10 95
		PCB Flush					394.0	95002	01 05 95	Rollins Env Ser (TX)	01 10 95
		PCB Flush					1021.0	95004	01 06-95	Rollins Env Ser (TX)	01 16-95
		MT PCB Trans D&F	w/fd >				4101.0	95006	01-13-95	US Ecology, Beatty, NV	01 17-95
411	PCB Article	PCB Dr Trans Fin	00963	12-23-94	12-27-94	108,0					
9/12588-2		PCB Flush					410	95004	01-06-95	Rollins Env Ser (TX)	01-16-95
		MT PCB Trans Fin	d&f w/ld				109.5	95006	01 13 95	US Ecology, Beatty, NV	01-17-95
411	PCB Article	PCB Dr Trans Fin	00963	12-23-94	12-27-94	144,5					
9M2588-1		PCB Flush					56.0	95004	01-06-95	Rollins Env Ser (TX)	01 16 95
		MT PCB Trans Fin (d&f w/fd				147.0	95006	01-13-95	US Ecology, Beatty, NV	01-17-95
411 MDC:t	PCB Container	DM PCB Debris for Inc.	00963	12-23-94	12-27-94	46.5	46.5	94169	12-30-94	Rollins Env Ser (TX)	01-17-95

TOTAL 17219.0 22461.0

AH 32 Pg 2

^{#9}M2588-2 & 9M2588-1 were fins attached to Trans# 9M2588. They will go out not attached to original transformer 97 kgs flush was used processing 2 Fins.

⁴ Kgs floor dir was used processing 2 Fins.

⁵⁰³⁴ Kgs flush was used processing 3 Trans.

¹⁰⁷ Kgs floor dri was used processing 3 Trans.

MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality Hazardous Waste Program
P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176 HAZARDOUS WASTE MANIFES

0138 EMERGENCY RESPONSE U.S. COAST GLAPD 1-800-424-6602

THEM TREC 1-800-424-930 DEPT OF NATURAL RESC

MISSOURI DIJR FINAL COPY

THIS COPY MUST BE SURFURED TO THE GENERAL OF THE OBJECT OFF THE PERSON OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE CONTROL OF THE OBJECT OF THE OBJE

se print or type (Form designed for use on elite (12-pi	ich) typewriter.)			AF	okusybbrovéd 8	ا 4B No 20	314-634-24, 050-0039, Expires 9-30
UNIFORM HAZARDOUS	Generator's US EPA ID	Comment of the Commen	Manifest Occument No.	2. Page	Informa	ation in	the shaded areas
WASTE MANIFEST	M, O, D, 9, 8, 1.	5 0 6 6 11 9	5,0,0,6	01	is requi	red by S	State law.
3 Generator's Name and Mailing Address Tipton Environmental	Tachnology In			A. di sodri	Manifest Docum	ent lumi	ber
One Mile East, Hwy 50	recunorogy, In	the Chara	1 . 7	1 1		- J.	5 0 0
Tipton, MO. 65081) A	ttn: Steve Sid	lebottom	B. G.S.I. (G	en. Site Address	1 4	
4. Generator's Phone (816-433-5585					e	4 -935	
5 Transporter 1 Company Name	6 US	EPA ID Number		C. MO. Trai	ns. ID H144	1/404	448
Matlack Systems Inc.	I D. S	E D 9 8 1 1 1	0.1.6.6		rter's Phone 8		
7. Transporter 2 Company Name		EPA ID Number	0,110,0	E. MO. Tran	24.57	5 7 5 7	16,177 1.17
	1 .				ter's Phone	100	
9. Designated Facility Name and Site Address	10. L	JS EPA ID Number		G. State Fac			
US Ecology, Inc.					LFNV83	02	
Highway 95				H. Facility's		- 1 De	
Beatty, NV. 89003	l _M	77 T 2.2.0 0.1	0 0 0 0		702-55	3-243	33
11 US DOT Description illncluding Proper Shipping N		V . T . 3 . 3 . 0 . 0 . 1	12. Contain		13.	14	
Testing in the state of th	ane, riazaro Ciass, and ib ivo			i . [Total	Unit	I. Waste No.
3			Number	Туре	Quantity	Wt/Vol.	EPA WASTE CODE
Polychlorinated Biphen	yls (NON-RCRA H	azardous Waste	2				N O N E
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rolyculorinated Biphen	yls (NON-RCRA H	azardous Waste	e				EPA WASTE CODE
solid last contained G	r 500 ppm PCBs	in Transformer			2,5,6,5	K	EATO O 7
case, LT DOT RQ)			0.0.2	CM	روق د ک	_ A	0.1
Polychlorinated Biphen	vls (NON-RCRA H	azardous Wast	a				N O N E
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Polychlorinated Biphen	vle (NON-PCRA H	azardone Waet					FPA WASTE CODE
Solid last contained G				D W	1005		STATE O O
		LI DOI KQ)	0 0 3		182.5		H.C. O 0 6
J. Additional Descriptions for Materials Listed Above.			K. HANDLING CO	DE (FACILITY U	SE ONLY)		COMMENTS .
• 07-004-3369 HT PCB-TRA				.1			21
□ 07-004-3369 MT PCB FIN	S-D&P v/fd-GT-5	00 (CALJ)			1 1		
	D DRUMS (CAT K)		в.		1 1		
d. 07-004-3369 DM PCB DEB	RIS (CAT A-1)		d. •	1			
15. Special Handling Instructions and Additional Info PCB Manifest	rmation Ila) PCB-	-1 11b) PCB-1	llc) P	CB-2	lld.) PC	B-2	
24 Hour Emergency Number	: 1-800-424-93	00 (CHEMTREC)				
See attached continuatio	n sheets & safe	ty sheet for	, addition	al inf	ormation		•
16 GENERATOR'S CERTIFICATION: I hereby declare and labeled, and are in all respects in proper condition							
If I am a large quantity generator, I certify that I i							
and that I have selected the practicable method of OR, if I am a small quantity generator. I have made a							
Printed/Typed Name		Signature	011				Month Day Y
Kent J. Moon		The	TILL	Om			0 11 11 13 19
17. Transporter 1 Acknowledgement of Receipt of Ma	lenals		U				Date
Printed/Typed Name		Signature	Λ <i>f</i>	7			Month Day Y
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18. Transporter 2 Acknowledgement of Receipt of Ma		1					Date
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19 Discrepancy Indication Space		,	7		→		
(# F							
1							
20. Designated Facility Owner or Operator, Certificate	on of receipt of hazardous mate		except as noted	in Item 19.			Date
Privited/Typed Name	10//.	Signature	. ()	10.	6		Month Day
1 W/1C1 / N/9	111		1 (///	(WII	MIL		10/1/719

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GENERATOR	WORK ORDER	UNIQUE IDENTIFI- CATION NUMBER	DATE OF RE- MOVAL FROM SERVICE FOR DISPOSAL	TYPE OF PCB WASTE	KG	Waste Stream #	CATEGORY	MO WASTE
DOUGLAS	-14 Mario	9m2588	12-23-94	PCB TR ANS 3500	7267	07-004-3369	C	M007 PCB-1
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CATEGORY	5								DATE (-/3
WASTE STREAM # CA	07-004-3368								7.64
KG ,	109.5					·			TOTAL KG 256,5
TYPE OF PCB WASTE	PCB TRAWS FINS 7500 OR, A. WIED				1		12		TOTAL
DATE OF RE- MOVAL FROM SERVICE FOR DISPOSAL	12-23-94	385 T			22				
UNIQUE IDENTIFI- CATION NUMBER	9M2588-2								
WORK ORDER	4							2	
GENERATOR	McDONNELL		At	133 p	3		ß	-	\$.

702-553-2203 Fax 702-553-2742

Certificate of Receipt and Disposal of PCB Waste

Disposal Facility
US Ecology, Inc.
P.O. Box 578
Beatty, NV 89003

EPA Identification Number NVT330010000

Disposal Certification	
Generator Name:	Tipton Environmental Technology, Inc.

I HEREBY CERTIFY THAT PCB WASTE MATERIAL LISTED ON MANIFEST NO. 95006 AND ANY ATTACHMENTS WAS:

[X] Received at the US Ecology, Inc., Beatty, Nevada facility on 1/17/95

[X] Landfilled at the US Ecology, Inc., Beatty, Nevada facility on 1/17/95

[] Stored pending shipment for Off-Site Treatment/Incineration

[] Shipped for Incineration on Manifest No. and Incinerated on

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified sections(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direction, made the verification that this information is true, accurate and complete.

For US Ecology, Inc. P.A. Thayer Date: January 17, 1995

TEXAS WATER COMMISSION



1. E.T., INC.

JAN : 7 1005 Form approved. OMB No. 2050-0039. expires 09/3C 5-2

P.O. Box 13087, Capitol Station Austin, Texas 78711-3087 Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

K	UNIFORM HAZARDOUS	1. Generator's US EPA ID No. Ma M O. D. 9. 8. 1. 5. 0. 6. 6. 1. 1 1 10 00 00 00 00 00 00 00 00 00 00 00	anifect iment No	2 Pag	N A	orma	ation in	the shaded areas ed by Federal law.	
个	WASTE MANIFEST 3. Generator's Name and Mailing Address	U U-2	A. State Manifest Document-Number-#13						
	Tipton Environmental Techn		100 382040						
	One Mile E. Hwy. 50		ŀ	B. State Generator's ID					
	Tipton, MO 65081 A. Generator's Phone (816.) 433-558	ttn: Steve Sidebottom		999	d un staum.	iada:	NU 31/31	14 Provide a.ph	
	5. Transporter 1 Company Name	6. US EPA ID Number				ter's	Юзон	1441/40448	
Н	Matlack Systems, Inc.	DED98110	1.6.6					00-433-7895	
	7: Transporter 2 Company Name	8. US EPA ID Number		E,Şja	te Transpor	eg;	Potoi	transporter's	
					nsporter's F				
	9. Designated Facility Name and Site Addre Rollins Environmental Serv	ss 10. US EPA ID Number	r					नुन्धः स्योक्षसम्बद्धाः	
	2027 Battleground Road	ites (IA), Inc.		11 5-	What Divers			-81 COMPLETE	
	Deer Park, TX 77536	T X D O 5 5 1 4 1	1. 2. 7. 0	ct 25	ility's Phone ektel Antique	2 2 0 2 3 0	e waste	rs Semplete th	
Ш	11 US DOT Description (including 5	roper Shipping Name, Hazard Class, and ID	12. Contain		13-930- 13.	230	14.	METH (Ag	
	11A, 11. US DOT Description (including F HM	Toper Shipping Hame, Hazard Slass, and is	No.	Туре	Total Quantity		Unit Wt/Vol	ANIA MALLER NO.	
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П	The state of the state of	- Castantian	06-11.0		,		770	7-7-1-0	
$\ $	15. Special Handling Instructions and Addit	onal Information		1					
П	PCB Manifest 24 hou	r emergency number: 800-424-	-9300 (Chem	trec)		IA)P		
Н	See attached continuation	sheets for additional inform	mation	and	safety	she	ets.		
Ш	16. GENERATOR'S CERTIFICATION: I hereby	declare that the contents of this consignment are fully a	and accurate	ely desc	ribed above t	y pro	per ship	oping name and are	
Н	classified, packed, marked, and labeled, ar government regulations, including applicable	id are in all respects in proper condition for transportstate regulations.	ort by highwa	ay acco	rding to appl	icable	interna	ational and national	
	If I am a large quantity generator, I certify that	It I have a program in place to reduce the volume and	toxicity of w	aste gei	nerated to the	degi	ee I hav	ve determined to be	
	future threat to human health and the enviror	cted the practicable method of treatment, storage, or di ment; OR, if I am a small quantity generator, I have ma	ade a good f	faith effo	anable to me of to minimize	my v	vaste ge	eneration and select	
	the best waste management method that is a	vailable to me and that I can afford.		,					
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1	Kent J. Moon	Mec	الما كر نير ^ا	With.				0 1 0 5 9 5	
R	17. Transporter 1 Acknowledgement of Rec Printed/Typed Name	eipt of Materials Signature					,	Month Day Year	
RANG			11/		_			0.10595	
S P O	18. Transporter 2 Acknowledgement of Rec		1 2 6		7			Date	
I A	Printed/Typed Name	Signature						Month Day Year	
E R									
Γ	19. Discrepancy Indication Space			_					
٠,									
FAC									
1	20. Facility Owner or Operator: Certification	of receipt of hazardous materials covered by thi	is manifest	except	as noted in	Item	19.		
1 T		RES (TX) /N	<u></u>					Date	
1				-					
1	Printed/Typed Name	Signature	100					Month Day Year	
L	Printed/Typed Name YU HON	G CHEN Signature Signature Newhork White - original Pink-TSD Facility	Yellow-Tr	her		<u>C:</u>		Month Day Year O 1 0 6 7 5	

CONTINUATION SHEET FOR LIQUID OR SOLID SHIPMEN'S

PAGE MANIFEST # 95002 382040 **GENERATOR** WORK UNIQUE DATE OF RE-TYPE OF **KG** HO # TEXAS # MO ORDER ID MOVAL FROM PCB WASTE WASTE! NUMBER SERVICE FOR EPA DISPOSAL WASTE MCDONNELL PCB OIL MOCH 410 12-23-94 43605-38 BULK 10868 0075-298-1 DOUGLAS 7500 PCB-Z MO PUBLIC 9-27-94 398 367 SERVICE INDIANA 8-24-94 838 405 MICH IGAN MEDONNELL 12-23-94 411 4220 DOUGLAS AH 35 P32

TOTAL KG 16293 145

DATE 1-5-95

SIGNATURE

Huoon

ROLLINS ENVIRONMENTAL SERVICES (TX) INC PROGRAM-ID: PTR1722C

Number

CERTIFICATE OF DISPOSAL

RUN DATE : 1/18/95 RUN TIME : 12:52 PM PAGE: ***************** Received Final Certificate of Disposal Order Stream Manifest

> TX00382040 01/06/95 01/10/95 043605 175337

Number Date Disposal

T. E. T. INC.

Number

TIPTON ENVIRONMENTAL TECHNOLOGY INC

1 MILE E HWY 50

Name and Address

TIPTON MO 65081

Attn: STEVE SIDEBOTTOM

000 000

TIPTON, MO

Inventory Customer's Unique ----- CONTAINER ----- Prod SHP Disposal Contents Code TO Mthd Date Cntrl Nbr Serial Number Type

000175337 BULK LIQUID 38 I 01/10/95

Total Containers:

1

PROGRAM-ID: PTR1722C

ROLLINS ENVIRONMENTAL SERVICES (TX) INC

RUN DATE : 1/18/95 RUN TIME : 12:52 PM CERTIFICATE OF DISPOSAL

PAGE:

2

This completes the Certificates of Destruction per Manifest Number TX00382040.

* Disposal Methods:

'I' - Waste that was incinerated.

'L' - Waste that was landfilled.

* Disposal Facility: ROLLINS ENVIRONMENTAL SERVICES (TX) INC

PO BOX 609

DEER PARK TX 77536

EPA ID: TXD055141378

Under civil and criminal penalties of law for making or submission of false or fraudulent statements or representations (18 U.S.C. 1001 and 15 U.S.C. 2615), I certify that the information contained in or accompanying this document is true, accurate and complete. As to the identified section(s) of this document for which I cannot personally verify truth and accuracy, I certify as the company official having supervisory responsibility for the persons who, acting under my direct instructions, made the verification that this information is true, accurate, and complete.

Please call (713) 930-2317 if there are any questions concerning the information on this Certificate of Disposal.

INC

Authorized Agent

ROLLINS ENVIRONMENTAL SERVICES (TX

AH 36 Pg 2

PCB ANNUAL REPORT DOCUMENT

McDonnell Douglas Aerospace

For the Reporting Period

01 January 1995 - 31 December 1995

Environmental Compliance Dept. 064 c 24 June 1996

40 CFR 761.180 (a) (1)

Quantities of PCBs and PCB Items Removed From Service and Placed Into Storage for Disposal During 01 January 1995 and 31 December 1995.

(i) Total weight of PCBs and PCB Items in Containers 15,137 Kg.

Liquids: 0 (Kg.)

Capacitors: 0 (Kg.)

PCB Contaminated Material: 1029 (Kg.)

Non-Regulated Ballasts: 14,108 (Kg.)

(ii) Total number of PCB Transformers: 0 (Kg.)

Total weight of PCBs contained in Transformers: 0 (Kg.)

(iii) Total number of PCB Large Capacitors: 0

A printout is attached that contains information on each individual container, transformer and large capacitor.

40 CFR 761.180 (a) (3)

PCB and PCB Items in Service at the end of this reporting period: 01 January 1995 - 31 December 1995

(i) Total weight of PCBs and PCB items in containers	none
(ii) Total number of PCB Transformers (>500ppm) Total weight of PCBs in these transformers:	<u>1</u> 2250 kg.

0

(iii) Total number of Large Capacitors

The attached printed provides a detailed listing of the in-service PCB Items.

Att 37 pg 3

PCB TRANSFORMERS

ID NUMBEF	R LOCATION	GALLONS	WEIGHT (kg)	REMOVED
6622465	BLDG. 5 east of boiler room	385	2250	In place
6335506	BLDG. 42; rm.110	415	2410	2/4/93
5699110	BLDG. 42; RM.110	280	1638	2/4/93
ULP-1	BLDG. 43; SS. BLDG	. 680	4168	8/15/94
9M2588	BLDG. 102; COL.11A	750	4410	12/23/94
29314	BLDG.103: Comp.rm.	676	3960	12/23/94
29315	BLDG.103: Comp. m	ı. 556	3249	12/23/94
TOTAL			22085	
TOTAL IN	SERVICE		2250	

06/24/96
PCB CONTAMINATED TRANSFORMERS IN SERVICE 31 DEC. 1995
(Over 50 mg/l , but less than 500 mg/l)

TRANSFORMER SUBSTATION	TRANSFORMER NUMBER	GALLON CONTENT	PCB's (ppm)	WEIGHT (kg)
8	008HVT2	1060	73.7	3816
8	008HVT1	847	69.4	3049
8	008HVT4	760	52.3	2736
8	008HVT3	7100	104.8	25560
20	020HVT3	1654	91.5	5954
20	020HVT2	1654	97.6	5954
20	020HVT1	1654	89.4	5954
20	020HVT5	2153	108.5	7751
TOTALS	8 TRANSFORMERS	16882		60774

PCB CONTAMINATED TRANSFORMERS (POTENTIALLY PCB CONTAMINATED)

TRANSFORMER SUSTATION	TRANSFORMER <u>NUMBER</u>
SUBSTATION 8	2689-1
SUBSTATION 8	4014-1
SUBSTATION 8	2112329
SUBSTATION 8	2112328
BLDG. 6 (WEST)	2710-1
BLDG. 6 (WEST)	2710-2
BLDG. 6 (WEST)	2710-3
BLDG.51 (SOUTH)	3 ON POLE

PCB WEEKLY INSPECTION RECORD

Signature:	my Bfor b
Agree Disagn	Shelter Inspection Action Taken to Correct Discrepancies Not leaking No structural damage
	Doors labeled, Doors locked Container Inspection
Agree Disagn	Not leaking All drums sealted All drums marked "PCB" (6" label) "Start to fill date on drum "Moved to storage" date on drum
Total number	Shelter Inventory
Inventory rec	ords updated?

VISUAL INSPECTION AND MAINTENANCE RECORDS PCB TRANSFORMERS (>500 ppm PCB) Pg. 1 of 2

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1991	Quarter	1				Dept. 898 Date/Time	receipt b received:	y:
Year /99/ Transformer Location	Serial #	Date of Inspec.	Clean, Seep, or Moderate Leak?	Inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/Cleanup Completed By (signature).
Bldg. 2	6417743	3/18/91	CLEAN	L. Harfaise	/2			
Col. 10F Bldg. 2 Col. 10F	6622447	3/18/91	CLEAN	L. Hoelling	CLEAN CAP & CHAIN JOST	Completed	3/22/91	James of Sagrey
Bldg. 2 Col. 10B	6417758	3/18/91	SEEP	of Hoelly oil	RELOW LIQUID LEVEL GUAGE	Completed	/	· · ·
Bldg. 2 Col. 10B	6640615	3/18/91	CLETA	The state of the s				
Bldg. 2 Col. 25F	6417737	3/18/91	CLEAN	L. Horflunar				1 10 10 10
Bldg. 2 Col. 25F	6622457	3/18/91	CLEAN	2 Hoffings	CLEAN BOTTOM SOUTHWEST DRAINCOCK	completed	3/22/91	garnes + last
Bldg. 2 Col. 25BBC	6417746	3/18/91	SEEP	2. Halling	CLEAN BOTTOM SOUTHWEST DRAINCOCK	Completed	722/91	famp T, (aspen)
Bldg. 2 Col. 25BBC	6622443	3/18/91	SEEP	L. Hoefluge	SOUTHWEST DRAIN COUR	anger a		
Bldg. 2 Col. 26C	1760036	3/18/91	CLEAN et last rev	ised on 09/13/	89		1	,

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE LEAK CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just under a gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (other times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediately.

Quarterly inspections may take place any time during the periods January-March, April-June, July-September, and October-December, so long as there is a minimum of 30 days between inspections.

A "Clean" transformer has no PCB's on any portion of its external surface or on surrounding flooring/pad. A "Seep" indicates that there is PCB fluid on the exterior surface, but it is not running off or about to run off the external surface of the transformer. A "Moderate Leak" means PCB fluid is running off or is about to run off the external surface of the transformer.

Cloths and gloves used in minor cleanup of PCB fluid must be placed in the drum designated for that purpose, located in Substation 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by the end of each shift.

PCB TRANSFORMERS (> ... ppm PCB)

Quarter /

Dept. 898 receipt by: Date/Time received:

Transformer Location	Serial #	Date of Inspec.	Clean, Seep, or Moderate	Inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/Clea Completed By (signature).
		121/	Leak?	nal in.	CLEAN BOTTOM OF	-151 1715	3-17.41	B.H. G.P.
Bldg. 3 Basement	None	3/10/91	SEEP	L'Halluids	H.V. SWITCH HANDLE	CIFANED	1 2 22 /	L
Bldg. 5 E. of Bldg.	6622465	3/19/91	CLEAN	Lou Mysi				- (1
Bldg. 27 Car Bottom Furnace	917139	3/18/91	CLEAN	L. Horsmir				
Bldg. 27 Trans Rm 21	7103069	3/18/91	SEEP	L. Foething	CLEAN BOTTOM OF CENTER H.V. SWITCH	CICAMED	3-02.9/	B.H.G.P.
Bldg. 27 Trans Rm 21	7103077	3/18/91	CLEAN	L Hoelling	(LEAN BOTTOM OF NORTH H.V.			
Bldg. 27 Trans Rm 22	7103068	3/18/91	SEEP	L. Hellwale	SWITCH I ANGLE BEHIND SOUTHFINS	CLEAMED	3-22.91	B.H. B.
Bldg. 27 Trans Rm 22	7103075	3/18/91	SEEP	L. Hellinge	CLEAN BOTTOMOF SOUTH H.V. SWITCH	CLEANED	3-22.91	B.H. G.P.
Bldg. 27 Heat Treat Bsmnt	YOP70491	3/18/91	OUTOFSERVICE) CLEAN	L. Forfluide	n North			
Bldg. 42 Room 110	6335506	3/18/91	MODERATE LEAR LIOZ	L. Hoekluiger	CLEAN BOTTOM OF DRAIN TOCK, PAN, & FLOOR	CLEANED	3-22-91-	BH. G.P.
Bldg. 42 Room 110	5699110	3/18/91	CLEAN	L. Florfluser				
Bldg. 43 SS of Bldg.	ULP-1	3/18/91	SEEP	L. Horlinge	CLEAN BOTTOM BOLTS OF L.V. BUS CONNECT BOX	CLEANED	3-22-91	B.H. G.P.
Bldg. 102 Col. 11A	9M2588	3/18/91	SEEP	L. Hoellinge	CLEAN BOTTOM OF TAPCHANGER THROAT & BASE AT DAYINGOCK THROAT	CLEANED		B.H. G.P.
Bldg. 103 Compressor Rm	29314	3/18/91	SEEP	L. Hellmark	CLEAN BOTTOM OF TAPOHANGER	CLEANED	3-22-91	B.H. 6P.
Bldg. 103 Compressor Rm	29315	3/18/91	CLEAN	- L The fluid				
COMPTERDOL ION	1	This s	heet last r	evised on 09/1	3/89			

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE L CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just over a gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (other times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediate)

Quarterly inspections may take place any time during the periods January-March, April-June, July-September, and October-December, long as there is a minimum of 30 days between inspections.

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Cloths and gloves used in minor cleanup of PCB fluid must be placed in the drum designated for that purpose, located in Substation 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by the end of each shift.

MCDONNELL DOUGLAS AEROSPACE/ST. LOUIS ENVIRONMENTAL & HAZARDOUS MATERIALS SERVICES BUILDING 110/LEVEL 1/MC 1111099 (314) 234-7177 (FAX)

DATE: 5/20/97

TO: ROBERT KRAGER	FROM: CARY BAFORD
DEPT:	DEPT: 464c
EXT: 75/-3176	EXT: 234-8/7/
LOCATION: MODNR	LOCATION: MD4
FAX #: 75/7869	
PAGE(8) SENT:	(INCLUDES LEAD SHEET)
	*
PLEASE CALL:	AT EXTENSION:
IF THERE ARE ANY PROBLEMS WITH	H THIS TRANSMISSION.
ADDITIONAL INFORMATION:	*



HAZARDOUS WASTE PROGRAM MISSOURI DEPARTMENT OF NATURAL RESOURCES

NFIRMED PCB-CONTAMINATED TRANS, JRHERS (50-504 PMIS

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			CONFIR	MED PCB-COM	TAMINATED TRAN	b, JRHERS (50-504 APIN -	Les (d'appu				
	Year 1991	Quarter	Date of	Clean,	Inspector	Type/Location of Servicing Needed.	Servicing/Cleanup Description.	Service Date	Completed By (signature).		
	Transformer Location	Trans- former Number	Inspec.	Seep, or Moderate	L. Honga	Est. Amt, meanage.	1.0	3/2/9/	Same of Sand		
	Sub- Station 8	008HVT2	3/19/91	MODERATE LEAK CLOS	La Strafferia.	CLEAN E.V. CADLES & CONDER BOX & CONCERTS PAD	or R completed	40/01	pany F. last		
	Station 8 Sub- Station 8	008HVT1	3/19/91	CLEAN PROBERATE LEAK 2102.	L. Hellewise	CLEAN L.V. CASLES & COMMERTO BOX, DRAWCOCK & CONCASTE PAD	Completed	3/24/11	Page 1		
*	Sub- Station 8 Sub- Station 44	008HVT3 6147466	3/19/91	CLEAN	L. Hareflinge	CLEAR SOTTON FOR FLANCE	0 140	3/22/9/	B. Hullond		
-0	Sub- Station 44	6147467 020HVT3	3/19/91	MODERATE LEAK CLOS	J. Huflinger	System Way 1 140 page		2/10/0/8	Gores to Card		
4	Station 20 Sub- Station 20 Sub-	020HVT2	3/19/91	CLERN_ SEEP	L. Hallwiger	CLEAN BOTTOM DRAW	Campleted	BAN IN B	24 1990		
15	Station 20 Sub- Station 20	020HVT1 07:0HVT5	3/19/91	This sh	A Touthamin	ed on 09/13/89		•	9.		

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS, IF A MODERATE LEAR CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE LEAK CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's Over 10 lbs. (just under containment, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (other partous make no reported ammediatesty to stark may accumented tomperate de essay (take parte) de tarveys and also be reported immediate times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediate

EPA regulations require annual inspection of PCB-contaminated (50-500 ppm) transformers. McAIR policy is to inspect them quarter

to ensure that any leakage is detected prior to serious spread of contaminated oil. A "Clean" transformer has no PCB's on any portion of its external surface or on surrounding flooring/pad. A "Seep" indicates the there is PCB fluid on the exterior surface, but it is not running off or about to run off the external surface of the transformer "Moderate Leak" means PCB fluid is running off or is about to run off the external surface of the transformer.

Cloths and gloves used in minor cleanup of PCB fluid must be placed in the drum designated for that purpose, located in Substation 9. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by end of each shift.

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Year /99/ Quarter / Dept. 898 receipt by: __ Date/Time received: Transformer Serial # Date of Clean, Inspector Type/Location of Servicing/Cleanup Service Service/Cleanu Location Inspec. Servicing Needed. Seep, or Signature Description. Date Completed By Moderate "Est. Amt. Leakage. (signature). Leak? Sub-3/19/91 Station B 2689-1 CLEAN Sub-BLEAN Station 8 4014-1 Sub-Station 8 2112329 CLEAN Sub-3/19/11 Station B 2112328 CLEAN Sub-3/19/91 Station 8 2112330 CLEAN Sub-Station 44 6147465 CLEAN Bldg, 6 West side 2710-1 CLEAN Bldg. 5 West side 2710-2 CLEAN Bldg. 6 West side 2710-3 A CEAN Bldg. 51 CLEAN South side 3 on pole This sheet last revised on 09/13/89

* These are transformers that have not been sampled and analysed due to limiting conditions. EPA regulations require that all such mineral oil transformers be treated as potentially PCB-contaminated (50-500 ppm PCB).

IF A TRANSPORMER IS FOUND TO A HAVE A "MODERATE LEAK". EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MEAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE LEAK CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of FCB's over 10 lbs. (just under a gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (other times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediately.

EPA regulations require annual inspection of PCB-contaminated (50-500 ppm) transformers. McAIR policy is to inspect these transformers quarterly to ensure that any leakage is discovered prior to serious spread of contaminated oil.

A "Clean" transformer has no dielectric fluid on any portion of its external surface or on surrounding flooring/pad. A "Seep" indicates that there is dielectric fluid on the exterior surface, but it is not running off or about to run off the external surface of the transformer. A "Moderate Leak" means dielectric fluid is running off or is about to run off the external surface of the

Cloths and gloves used in minor cleanup of dielectric fluid that may be PCB-contaminated must be placed in the drum designated for. that purpose, located in Substation 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by the end of each shift.

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		,			Date/Time received:					
Year 1991 Transformer	Quarter	Date of Inspec.	Clean. Seep, or	Inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/Cleanup Completed By (signature).		
TOCACION		J	Moderate Leak?	1060 101.	CLETIN BOTTOM OF	CIFANED	3-72-91	B.H. G.P.		
Bldg. 3 Basement	None	3/18/91	SEEP	Har hinds	H.V. SWITCH HANDLE					
Bldg. 5 E_ of Bldg.	6622465	3/19/91	CLEAN	L. Hordinis						
Bldg. 27 Car Bottom Furnace	917139	3/18/91	CLEAN	d Horfland	171 1 6 6 7 7 5 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	CISANED	3-22-91	B.H. G.P.		
Bldg. 27 Trans Rm 21	7103069	3/13/91	SEEP	L. Hoellings	CENTER HV. SWITCH					
Bldg. 27 Trans Rm 21	7103077	3/18/91	CLEAN	L. Hallmor	CLEAN BOTTOM OF WARTH HAS SWITCH & ANGLE BEHIND SWITHFINE	CLEAVED	3.72.91			
Bldg. 27 Trans Rm 22	7103068	3/18/91	SEEP	L. Heldinger	CLEAN BOTTOMOF SOUTH H.V. SWITCH	CLEANED	3-22.91	B.H. 6.P.		
Bldg. 27 Trans Rm 22	7103075	3/18/91	SEEP SUIDE STAVICE	L. Harklinger				Q-1 A		
Bldg. 27 Heat Treat Bomnt	YOP70491	3/18/91	MORERATE	02 L. Hellinge	CLEAN BOTTOM OF DRAIN MCK, PAN, & FLOOR	CLEANED	3-22-91-	BH. G.P.		
Bidg, 42 Room 110	6335506	3/18/91		J. Har Hanger	1 .			B.H. G.P.		
Bldg, 42 Room 110 Bldg, 43	5699110 .	3/18/91	SEEP	I Thelpial	OF L.V. BUS CONNECT BOX	CLEANED				
SS of Bldg. Bldg. 102	ULP-1	3/18/91	SEEP	L. Halling	THROAT & BASE AT DEAMERCH THAN		3-20.91	B.H. 6P.		
Col. 11A Bldg, 103	9112588	3/18/91	SEEP	110011111111111111111111111111111111111	CLEAN BOTTOM OF	CLEANED	3-28-41	N. 6.		
Compressor Rm		2/26	DIERN	L. Therefling	100		100			
Compressor Rm	29315	This	sheet last	revised on 09	/15/87		14 450			

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAR", SPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS, IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, ROTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE LEAK COMTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just over a gallon) must be reported immediately to McAir Environmental Compliance at 23319 [first shift] or through the MDC Operator (other times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediately

Quarterly inspections may take place any time during the periods January-March, April-June, July-September, and October-December, s

long as there is a minimum of 30 days between inspections. A "Clean" transformer has no PCB's on any portion of its external surface or on surrounding flooring/pad. A "Seep" indicates that there is PCB fluid on the exterior surface, but it is not running off or about to run off the external surface of the transformer. "Moderate Leak" means PCB Eluid is running off or is about to run off the external surface of the transformer,

Cloths and gloves used in minor cleanup of PCB fluid must be placed in the drum designated for that purpose, located in Substation 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by the end of each shift.

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P. 05

VISUAL INSPECTION AND MAINTENANCE RECORDS PCB TRANSFORMERS (>500 ppm PCB) Pg. 1 of 2

Year 199/	Quarter _	1 -				Dept. 89 Date/Time	8 receipt e received	yı
Transformer Location	Serial #	Date of Inspec.	Clean, Seep, or Moderate Leak?	Inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/Cleanup Completed By (signature).
Bldg. 2 Col. 10F	6417742	3/18/91	CLEAN	d. Hoffinger				_
Eldg. 2 Col. 10F	6622447	3/19/91	CLEAN	L. Hoffman	CLEAN CAP & CHAIN JOST	0.4.0	-7.61	people of live
Eldg. 2 Col. 10B	6417758	3/18/91	SEEP	of The flere	RECOW LIGHTS LEVEL GUAGE	Completed	3/20/9/	I Can Cont
Bldg. 2 Col. 10B	5640615	3/18/91	CLEAN	L. Helming				
Bldg. 2 Col. 25P	6417737	3/18/91	CLEAN	L. Hoffers				
Bldg, 2 Col, 25F	6622457	3/18/91	CLEAN	L. Hoffing	ELEAN BOTTOM	141	3/42/91	garger to the
Bldg. 2 Col. 25BBC Bldg. 2	6417746	3/13/91	SEEP	L. Hallange	17'22210 2011 001	completed	322/91	James 7, (2, 192)
Col. 25BBC	6622443	3/18/91	SEEP	Jan 18	SOUTHWEST DAAMEREK	Completed	7-///	1

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23119 TO INITIATE LEAK CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just under a gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (other times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediately.

This sheet last revised on 09713/89

Quarterly inspections may take place any time during the periods January-March, April-June, July-September, and October-December, so long as there is a minimum of 30 days between inspections.

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Cloths and gloves used in minor cleanup of PCB fluid must be placed in the drum designated for that purpose, located in Substation 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by the end of each shift.

Altahment 4

VISUAL INSPECTION AND MAINTENANCE RECORDS CONFIRMED PCB-CONTAMINATED TRANSFORMERS (50-500 ppm PCB) Pg. 1 of 1

Year <u>1993</u>	Quarter	2_					receipt by received:	
Transformer Location	Trans- former Number	Date of Inspec.	Clean, Seep, or Moderate Leak?	Inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/Cla Completed 1 (signature)
Sub- Station 8	008HVT2	6/14/93	CLEAN	I Tooplinge				
Sub- Station 8	008HVT1	6/14/93	MODERATE LEAK < 102	L. Thepluige	CLEAN BOTTOM OF L.V.	Cleaned As Renuire	d 6-15	T.B. 41.
Sub- Station 8	008HVT4	6/14/93	CLEAN	Har hlung h				
Sub- Station 8	008HVT3	6/14/93	CLEAN	J. Troopland				
Sub- Station 44	6147466	6/14/93	CLEAN	L. Horpsqui	·			
Sub- Station 44	6147467	6/14/93	CLEAN	I Hallung				
Sub- Station 20	020HVT3	6/14/93	MODERATE LEAK < 10Z	L. Horflinge	ALEAN BOTTOM OF JUD FEDIN NORTH COOLING FIND PAD UNDERNEATH	Genned As Romains	ed 6-16	T.A. 4.
Sub- Station 20	020HVT2	6/14/93	CLEAN	L. Hollinge				
Sub- Station 20	020HVT1	6/14/93	MODERATE CEAK CIOZ	L. Holfmid	CLEAN BOTTOM DRAINCOCK & PAN UNDERNEATH	Clenned As Reaui	red 6-16	T.A. 41
Sub- Station 20	020HVT5	6/14/93	CLEAN	L. Freklinge	00/12/00			

This sheet last revised on 09/13/89

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE LEAK CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just under gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (ot times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediate

EPA regulations require annual inspection of PCB-contaminated (50-500 ppm) transformers. McAIR policy is to inspect them quarter to ensure that any leakage is detected prior to serious spread of contaminated oil.

A "Clean" transformer has no PCB's on any portion of its external surface or on surrounding flooring/pad. A "Seep" indicates tha there is PCB fluid on the exterior surface, but it is not running off or about to run off the external surface of the transformer "Moderate Leak" means PCB fluid is running off or is about to run off the external surface of the transformer.

Cloths and gloves used in minor cleanup of PCB fluid must be placed in the drum designated for that purpose, located in Substatio 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bags, but must be taken to Sub 8 by t end of each shift.

Transformer Location	Serial #	Date of Inspec.	Clean, Seep, or Moderate Leak?	Inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/Completed (signatu
Bldg. 3 Basement	None		REM	OVED.				
Bldg. 5 E. of Bldg.	6622465	6/14/93	CLEAN	L. Shilfwit				
Bldg. 27 Car Bottom Furna	917139		REM	OVED				
Bldg. 27 Trans Rm 21	7103069		REM	OVED				
Bldg. 27 Trans Rm 21	7103077			OVED				
Bldg. 27 Trans Rm 22	7103068			OVED				
Bldg. 27 Trans Rm 22	7103075		REM	OVED				
Bldg. 27 Heat Treat Bomnt	YOP70491		REM	DYED				
Bldg. 42 Room 110	6335506		REM	OVED			-	
Bldg. 42 Room 110	5699110			OVED	CLEAN BOTTOM OF L.V.	100	- J	T.B. 4
Bldg. 43 SS of Bldg.	ULP-1	6/14/93	MODERATE LEAK < 102	L'Inellinon	CLEAN BOTTOM OF C.V. CONNECTION BOX & PADUNDERNEAT	Cleaned HS Kequire	6-15	1.Bey
B1dg. 102 Col. 11A	9M2588	6/11/93	CLEAN	L Joeflurat	CLEAN BOTTOM OF TAP (KNIGED	0/ 100	1 , 1-	n 11
Bldg. 103 Compressor Rm	29314	6/14/93	SEEP	L'Hoeffingh	& NAMEPLATE	Cleaned As Require	d 6-15	B.H.
Bldg. 103 Compressor Rm	29315	6/14/93	CLEAN	L. Horfling	2/00			
		This s	sheet last r	evised on 09/1	.3/89			

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS. NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just of gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (oth gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (oth times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediately.

Quarterly inspections may take place any time during the periods January-March, April-June, July-September, and October-Decemb long as there is a minimum of 30 days between inspections.

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AH 40 Pa

Year /993

VISUAL INSPECTION AND MAINTENANCE RECORDS POTENTIALLY PCB-CONTAMINATED TRANSFORMERS * (50-500 ppm PCB) Pg. 1 of 1

Transformer Location	Serial #	Date of	Clean,	Inspector	Turne / Taranta	Dept. 898 rec Date/Time rec	eipt by: _ eived:	
Sub-		Inspec.	Seep, or Moderate Leak?	Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servicing/Cleanup Description.	Service Date	Service/ Complete
Station 8	2689-1	6/14/93	CLEAN	L. Shellmar	Jeanage.			(signatu
Station 8	4014-1	6/14/93	CLEAN	2 Hoefmin				
Station 8	2112329	6/14/93	CLEAN	18/11				
Station 8	2112328	6/14/93	CLEAN	L'Hollinger				
ub~	2112330	6/14/93	CLEAN	L. Rockerax				
itation 44	6147465		REM	OVED				
	2710-1	6/14/93	CLEAN	L'Hoefluge				
	2710-2	6/14/93	CLEAN	L. Hoeflinie				ne n
.ag. 51	710-3	6/14/93	CLEAN	La Hallmar				
	on pole	6/14/93	CLEAN	L'Horlinge				

These are transformers that have not been sampled and analysed due to limiting conditions. EPA regulations require that all s mineral oil transformers be treated as potentially PCB-contaminated (50-500 ppm PCB).

IF A TRANSFORMER IS FOUND TO A HAVE A "MODERATE LEAK", EPA REGULATIONS REQUIRE CLEANUP TO BE INITIATED WITHIN 48 HOURS. IF A MODERATE LEAK CANNOT BE STOPPED VIA ROUTINE MAINTENANCE METHODS, NOTIFY MCAIR ENVIRONMENTAL COMPLIANCE AT 23319 TO INITIATE LE CONTAINMENT, DAILY VERIFICATION, AND EMERGENCY REPAIR/REPLACEMENT OF THE TRANSFORMER. Leakage of PCB's over 10 lbs. (just under a gallon) must be reported immediately to McAir Environmental Compliance at 23319 (first shift) or through the MDC Operator (other times). Any leakage reaching soil, sewers, the outdoor environment, or beyond indoor substations must also be reported immediatel

EPA regulations require annual inspection of PCB-contaminated (50-500 ppm) transformers. McAIR policy is to inspect these transformers quarterly to ensure that any leakage is discovered prior to serious spread of contaminated oil.

A "Clean" transformer has no dielectric fluid on any portion of its external surface or on surrounding flooring/pad. A "Seep" indicates that there is dielectric fluid on the exterior surface, but it is not running off or about to run off the external surface of the transformer. A "Moderate Leak" means dielectric fluid is running off or is about to run off the external surface of the

Cloths and gloves used in minor cleanup of dielectric fluid that may be PCB-contaminated must be placed in the drum designated for that purpose, located in Substation 8. Cleanup materials can be carried from the worksite(s) to Substation 8 in closed plastic bag but must be taken to Sub 8 by the end of each shift.

ransformer	Serial #	Inspection Date	Clean,Seep,or Moderate leak?	inspector Signature	Type/Location of Servicing Needed. Est. Amt. Leakage.	Servcing/Cleanup Description.	Label/Drum Check	Service Date	Service Completed By: (Signature)
ocation									
Confirmed PCE	Contaminate		(50-500 ppm PC	B)	CLEAN BOTTOM DRAIN COCK	Cleaned		3/19/97	GK. MUC
Substation 8	008HVT1	3/17/97	<10Z.	194	FPAD \$ L.V. CONNECTION BOX	CIEMINES		10101	1.)
Substation 8	008HVT2	3/17/97	CLEAN MOSERATE LEAK	$\times 1.0 \times 1.0$	CLEAN BOTTOM DRAIN COCK	Cleaned		3/19/97	GK, MUX
Substation 8	008HVT3	3/17/97	1102	194	FPAD & L.N. CONNECTION BOK	Creaned		7,12,121	
Substation 8	008HVT4	3/17/97		2)24					
Substation 20	020HVT1	3/17/97	CLEAN	2)94	CLEAN SOUTHWEST DRAIN PIPE	Classed		2/10/0	GK, MWC
Substation 20	020HVT2	3/17/97	SEEP	1 34	ON BOTTOM OF EXPANSION TANK	Cleaned		<i>אפוצווע</i>	GA, Ma
Substation 20	020HVT3	3/17/97	CLEAN	294					
Substation 20	020HVT5	3/17/97	CLEAN	212					
PCB Transform	ners (> 500	ppm PCB's)							
Bldg.5 (east)	6622465	3/17/97	CLEAN	2124					
	B Contamina	ted Transform	er(50-500 ppm P	CB)					
T Otorradily .			0.0000000000000000000000000000000000000	DILOR			1		1
Substation 8	2689-1	3/17/97	CLEAN	A A A					
Substation 8	4014-1	3/17/97	CLEAN	- HIE'VE					
Substation 8	2112329	3/17/97	CLEAN	19					
Substation 8	2112328	3/17/97	CLEAN	AZ					
Substation 8	2112330	3/17/97	CLEAN					***************************************	
Bldg. 6(west)	2710-1	3/17/97	OLEAN	7 0/					
Bldg. 6(west)	2710-2	3/17/97	CLEAN	13.01					
Bldg. 6(west)	2710-3	3/17/97	CLERIS	11/15					
Bldg.51		3/11/97	CLEAN	142				1	
(S. on pole)									
			00.000000000000000000000000000000000000						

DEPARTMENT OF NATURAL RESOURCES Division of Environmental Quality

TELEPHONE OR CONFERENCE RECORD

File McDonnell Douglas Aerospace TELEPHONE	Date 5/20/97
	CONFERENCE
Incoming ()	Field ()
Outgoing (X)	Office ()
SUBJECT 1991 1st Quarter Inspection	Report
PERSONS INVOLVED	
Name	Representing
Mr. bary Buford	MDA
Mr. Robert Kragor	MONL/HWP
I received icontented the PCB transfer of 1991, which I already had. I	the PCB-contaminated and potantial section reports for the 1st Quartes of 1951 I him to for me a copy. The copy ormer inspection report for the 1st Quarter also askel if he could send no a 1,4 with the corresponding serial numbers for
FINAL RESULTS	
	Robert . Kiga.

Signature

MCDONNELL DOUGLAS AEROSPACE/ST. LOUIS ENVIRONMENTAL & HAZARDOUS MATERIALS SERVICES BUILDING 110/LEVEL 1/MC 1111099 (314) 234-7177 (FAX)

DATE: 5/22/97

TO: ROBERT KRABER DEPT: Mo DNR EXT: 751-3176 LOCATION: 54/ CITY FAX #: (573) 751-7869	DEPT: 464c EXT: 234-8171
PAGE(B) SENT:	(INCLUDES LEAD SHEET)
PLEASE CALL:	
ADDITIONAL INFORMATION:	ų.

*97 MAY ST PM 2 ON PAZARBOORAN

PCB S/N's

MDC TRANSFORMER#	MDC TRANSFORMER S/N	GALLONS	PCB (ppm)	WEIGHT
(PCB CONTAMINATED)	PCB CONTAMINATED			(KG)
008HVT1	S/N 6993933	847	<69.4	3049
008HVT2	S/N 2494419	1060	<73.7	3816
ETVH800	S/N 9U1235	7100	<104.8	25560
008HVT4	S/N 2120050	760	<52.3	2736
A STANSON OF THE PROPERTY OF T	S/N=2694974	4-74-74-654°	1.00008914	~~~5954°
020HVT2	S/N 2694972	1654	97.6	5954
020HVT3	S/N 2694937	1654	91.5	5954
020HVT5	S/N PGR48563	2153	108.5	7751

POR 3 48

S/M 2494416

8/N 901235 8/N 2104036

5/M 268 07 5 M 268 Page 1

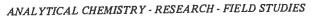
лоён√тў - овнУтў

.20FEY111 120HVT2 20HVT3

EGGITCICICTO DI JITI HOZ HTC

חום פווום אחון או כאיטע דעוום

ENVIRONMENTAL ANALYSIS, INC.



3278 N. LINDBERGH BLVD.

FLORISSANT, MO. 63033

PHONE 1-314-921-4488

Date Report No.

06-10-83

Report No. Lab No.

12234

P.O. No.

G2E920C

Mr. J. C. Patterson McDONNELL DOUGLAS CORP. Post Office Box 516 Dept. 191C; Bldg. 102 St. Louis, MO 63166

REPORT OF ANALYSIS

Subject: Determination of Polychlorinated Biphenyls (PCB's) via Electron Capture Gas Chromatography.

Sample Identification:

2689-1

#1 - 3617, Transformer Oil Sub. 8, 6-2-83.

#2 - 3622, PMR 12865, #750265, 6-3-83.

#3 - 3623, PMR 35975, USN 904229, 6-6-83.

Results of Analysis:

PCB, ppm

Respectfully sabmitted,

R. M. Ferris, Director

ENVIRONMENTAL ANALYSIS INC. PHONE 1-314-921-4488

Enclosure I

Date 07-13-83
Report No. 12464
Lab No. 126-23
P.O. No. G2E920C

Mr. J. C. Patterson McDONNELL DOUGLAS CORP. Post Office Box 516 Dept. 191C; Bldg. 102 St. Louis, MO 63166

REPORT OF ANALYSIS

Subject: Determination of Polychlorinated Biphenyls (PCB's) via Electron Capture Gas Chromatography.

Sample Identification: #1 - No. 3644, Transformer (4014-1) Oil - Sub 8, 30 June 83.

Results of Analysis:

PCB, ppm

1 ---13

Type 1260

despectfully submmitted,

R. M. Ferris, Director

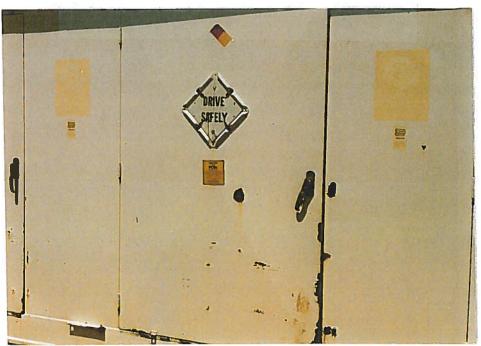


Photo 1 Depicts entry door to the PCB storage area showing it was marked $\mathbf{M}_{\text{T.}} \boldsymbol{\cdot}$



Photo 2 Depicts a drum of PCB oil and three drums of fluorescent light ballasts in the PCB storage area.



Photo 3 Depicts one half of the inside of the PCB storage area.

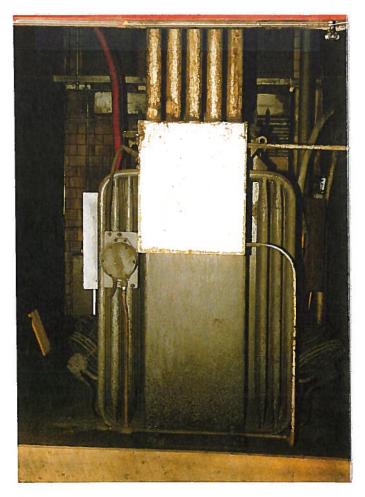


Photo 4 Depicts the PCB transformer in Building 5.



Photo 5 Depicts the PCB transformer in Photo 4 showing it was marked $\mathbf{M}_{\mathbf{L}}$.

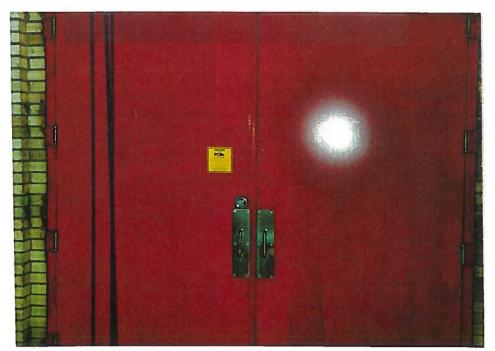


Photo 6 Depicts the entry door to the PCB transformer in Photo 4 showing it was marked ${\rm M}_{\rm L^{\bullet}}$



Photo 7 Depicts three untested transformers at Building 6.



Photo 8 Depicts the two leaking untested transformers at Building 6.



Photo 9 Depicts untested Pennsylvania transformer SN 2689-1 leaking around the bushings and cooling fins to the concrete pad below.

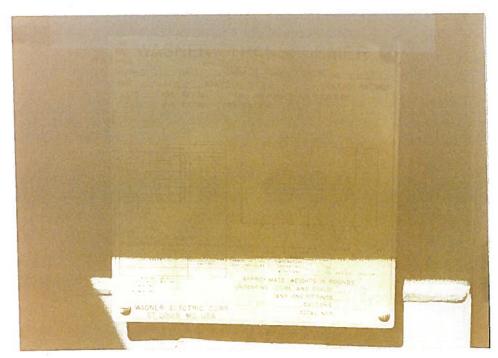


Photo 10 Depicts the nameplate for PCB-contaminated Wagner transformer SN 9U1235 in Substation 8.



Photo 11 Depicts the L.V. connection box of the transformer in Photo 10, showing it was leaking onto the ground.



Photo 12 Depicts the drain valve of the transformer in Photo 10, showing it was leaking onto the concrete pad.

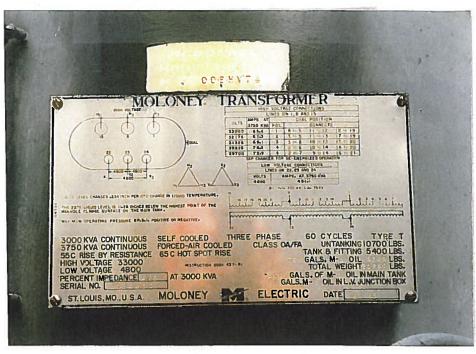


Photo 13 Depicts the nameplate of PCB-contaminated Moloney transformer SN 2120050.

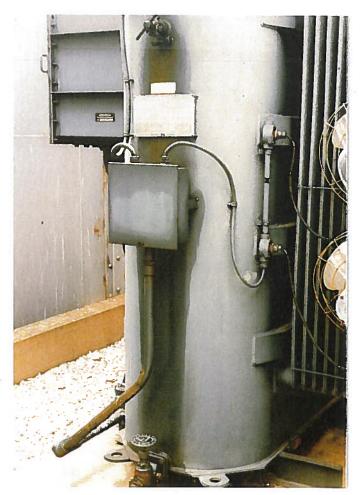


Photo 14 Depicts the transformer in Photo 13, showing it was leaking from the tapchanger and drain valve.



Photo 15 Depicts untested Kuhlman transformer SN 04729 leaking around the bushings and oil level gauge.

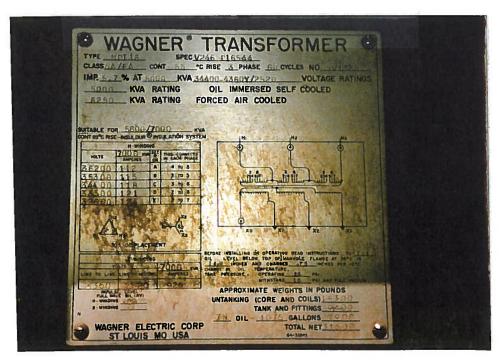


Photo 16 Depicts the nameplate of Wagner transformer SN 9V1328 in substation 20.



Photo 17 Depicts stain below the drain valve of the transformer in Photo 16.

FTTS INSPECTIONS

		9
*INSPECTION DATE:05/12/97	*INSPECTOR NUM: MOOIT	*INSPECTION SEQ: 01
*LEGISLATION IND: Tor F		
*REGION/STATE:/40	INSPECTOR NAME: Robert L	. Krager
*REASON FOR INSPECTION: £66	REFERRAL TYPE:	*NUMBER OF SAMPLES:
DATE RPT RECD: /_/_	WARRANT REQUIRED: Y or (N)	FED FACILITY: Y or (N)
CBI: Y or N	NUMBER SCHOOLS:	SCHOOL TYPE:
*FACILITY FUNCTION: 45	EPA ESTAB:	
=======================================		=======================================
REMARKS: 07-97-T-220	7 .	
=======================================		
*SITE NAME: /h (Donne // D	ouglas Aerospace	
*SITE ADDR: Bldg 110, P.O	, Bux 516, 140 McDa	nnell Blud
*SITE CITY: 51. 600.3		
*SITE STATE: Mo	*SITE ZIP: 63/64	6
SITE DUNS:	SITE COUNTY: 51	Louis
SITE SIC CODES: \$700		
*PARENT CO NAME: Sa we		
*PARENT CO ADDR:		
*PARENT CO CITY: *PARENT CO STATE:	*PARENT CO ZIP:	
	(*)	

Attack ment 417